Aam16732 Peptide # Abb35718 Peptide # Abb34279 Peptide # Aam29220 Peptide #	Peptio Peptio	Protei Human Human Human	Human Human Peptic	Aam04449 Peptide # Abg38490 Human pep Abp33054 Human ORF	Abo61865 Klebsiell Adi42042 Plant tra	Ado62236 Transcrip Ado63760 Transcrip Aea26249 Stress to	Ado63770 Transcrip Ado26259 Stress to Ad460392 Plant nol	Abg13340 Novel hum Abg80780 Pseudomon Adv40848 Novel	Adr15612 Kinase 61 Abb67101 Drosophil	Abo78623 Pseudomon Abm96872 M. xanthu Aam16105 Pentide #	Abb35090 Peptide # Aam28596 Peptide # Ahh30912 Pentide #	Abb205012 Februar #Abb20509 Protein #Aam68282 Human bon	Aam55912 Human bra Abg49940 Human liv Aam03832 Pentide #	Abg37823 Human pep Adt58341 Plant pol Abo60824 Klebsiell	Abo75815 Pseudomon Abo74839 Pseudomon	Abo73669 Pseudomon Abm87504 Rice abio	Adyl2668 Plant ful Adyl2668 Plant ful Abh65697 Rifidohar	Adn73431 Thale cre	Abm86886 Rice abio	Abg22366 Novel hum	Abu03533 Angiogene Adm80792 Human CAD	Abo23519 Mycobacte	Aebyl435 Microbial Aab58595 Peptide e	Aab58596 Peptide e Ahr75582 Liver res	Adnotation bloor res	Aabbaby/ reptide e Aab58599 Peptide e	Aab58600 Peptide e Aar67648 Ivenzyme-	Aau45446 Propionib	Aau67135 Propionib Abm63654 Propionib	Abm41965 Propionib Ady66098 S. manson	Aau62363 Propionib
4 AAM16732 4 ABB35718 4 ABB34279 4 AAM29220																															
61																				037		079	10								
87.5 87.5 87.5	87.5	87.5 87.5 87.5	87.5 87.5	87.5 87.5 87.5	87.5 87.5	87.5 87.5	87.5	87.5 87.5	87.5	87.5 87.5 87.5	87.5	87.5	87.5 87.5	87.5 87.5 87.5						: .:	۲.			س	982.0	. v.	io io			ιο ιο	10
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5.1.7 Biocceleration Ltd. 27		; Search time 184 Seconds (without alignments) 16.715 Million cell updates/sec				. 2443163		<b>4</b> 00 0		en en en	in or or			chance to have a result being printed, stribution.		7 no and	IGD-motif	Rat Prote		Peptide #		Human bra	3 Human pep		Freezen	Kice ablo Novel hum		Human	Drosophil Pseudomon		Peptide 1
GenCore version 5.1 Copyright (c) 1993 - 2006 Bic	GenCore version (c) 1993 - 2006, using sw model	February 27, 2006, 09:42:30 ; St (with 16.71	-015B-2 7	162 /	0 , Gapext 0.5	2443163 Seqs, 4393/8/81 residues of hits satisfying chosen parameters	length: 0 length: 200000000	g: Minimu Maximu	Listing first 100 summaries	Æ			: geneseqpz004s:* : geneseqp2005s:*	Pred. No. is the number of results predicted by score greater than or equal to the score of the and its derived by analysis of the total score di	Wins	Query Ouery Score Match Length DR ID	0 100.0	100.0 212 7	0 100.0 1090	9 97.5 157 4	9 97.5 157 4 9 97.5 157 4	9 97.5 157 4	97.5 157 5	9 97.5 233 9 9 97.5 239 4	9 97.5 250 3 AAB58809	97.5 326 /	97.5 445 4 97.5 525 5	95.0 37 8	95.0 427 4 95.0 430 7	.0 682 .0 11096	5 87.5 19 3

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The invention relates to an angiogenic composition (I) comprising at least one peptide chosen from a group of peptides containing isoleucinegator one peptide chosen from a group of peptides containing isoleucinegatorie-growth factor other than the at least one peptide, where the angiogenic growth factor other than the at least one peptide, where the peptide stimulates cell migration. Also disclosed is a composition (III) that is active for promoting conditions comprising an IGD-containing peptide, and a matrix material. Compositions of the invention are useful for promoting myocardially to an ischaemic area of the heart of an promoting myocardially to an ischaemic area of the heart of an individual, to enhance vascular endothelial cell migration and/or proliferation. They are also useful for promoting peripheral angiogenesis in an ischaemic region of an organ or tissue fed by a peripheral vessel, by enhancing vascular endothelial cell migration and/or proliferation at the body, where the composition stimulates vascular endothelial cell migration and/or proliferation sufficient to restore or increase blood migration and/or proliferation sufficient to restore or increase blood the composition is polyvinyl pyrrolidone. The physiologically acceptable carrier in the composition is polyvinyl pyrrolidone. The current sequence represents the composition is polyvinyl pyrrolidone. The current sequence represents
                                                                                                                                                                                                                                                                                                                                                 Angiogenic composition; isoleucine-glycine-aspartic acid; IGD; angiogenic growth factor; cell migration; angiogenesis; ischaemia; heart; polyvinyl pyrrolidone.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Angiogenic composition comprising peptides containing isoleucine-glycine-aspartic acid, that stimulate cell migration, and angiogenic growth
Abo60629 Human gen
Abo80608 Human gen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  aspartic acid, that stimulate cell migration, and angiogenic growth factor useful for promoting myocardial or peripheral anglogenesis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 40; DB 7; Length 7; larity 100.0%; Pred. No. 2e+06; Conservative 0; Mismatches 0; Indels
                                                                                                ALIGNMENTS
  ABM58882
ABO60629
ABM89504
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 2; SEQ ID NO 2; 22pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (CENT-) CENTERPULSE BIOLOGICS INC.
                                                                                                                                                                                                 ADG43177 standard; peptide; 7 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           21-DEC-2001; 2001US-00027015
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     23-DEC-2002; 2002WO-US041484
                                                                                                                                                                                                                                                                                                                IGD-motif peptide #SEQ ID 2.
    9 8 7
                                                                                                                                                                                                                                                                          26-FEB-2004 (first entry)
  102
104
116
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Best Local Similarity
Local 7; Conserve
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    85.0
85.0
85.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                   Unidentified.
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      3 3 4
                                                                                                                                                                                                                                        ADG43177;
                                                                                                                                                         RESULT 1
    98
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The invention discloses a composition comprising two or more isolated rat or human polynucleotides or a polynucleotide which represents a fragment, derivative or allelic variation of the nucleic acid sequence. Also claimed are a vector comprising the novel polynucleotide, a host cell comprising the vector, a method for identifying a nucleotide sequence which is differentially regulated in an animal subjected to pain and a kit to perform the method, an array, a method for identifying an agent that increases or decreases the expression of the polynucleotide sequence that is differentially expressed in neuronal tissue of a first animal cubjected to pain, a method for identifying a compound which regulates the expression of a polynucleotide sequence which is differentially expressed in an animal subjected to pain, a method for identifying a compound that regulates the activity of one or more of the compound that regulates the activity of one or more of the polymucleotides, a method for identifying a compound useful in treating cativity in an animal of one or more of the polypeptides or their antibodies. The polynucleotide or the compound that continue (contained to pain and a pharmaceutical composition comprising the one or more polypeptides or their antibodies. The polynucleotide or the compound that medulates its activity is useful for preparing a medicament for treating pain (c.g. spinal segmental nerve injury (SNI)) in an animal (e.g. gene therapy). The sequence presented is a rat protein (shown in Table 2 of the sequence data for this patent did not form part of the printed contained to the sequence data for this patent did not form part of the printed specification, but was obtained in electronic form directly from WIPO at the printed contained presented contained to medicate for the sequence data for this patent did not form part of the printed contained proving pain and experienced presented presented contained to medicate for the sequence data for the sequence data for the sequence data for this patent did
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New composition comprising two or more isolated polypeptides, useful for preparing a medicament for treating pain in an animal.
                                                                                                                                                                                                                               Rat; pain; neuronal tissue; gene therapy; spinal segmental nerve injury; chronic constriction injury; CCI; spared nerve injury; SNI; Chung.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Costigan M;
                                                                                                                                                                                     Rat Protein AAB71237, SEQ ID NO 543.
                                            ADE54738 standard; protein; 212 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Befort K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 1; Page; 1017pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           14-AUG-2001; 2001US-0312147P.
01-NOV-2001; 2001US-0346382P.
26-NOV-2001; 2001US-0333347P.
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                                                                                                                                      (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Woolf C, D'urso D,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENBANK; AAB71237.
                                                                                                                                                                                                                                                                                                        Rattus norvegicus.
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(FARB ) BAYER AG.
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                                                                                                                                                                                                                                                                                                                                                       WO2003016475-A2.
                                                                                                                                      29-JAN-2004
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RESULT 2
ADE54738
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Gaps

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(first entry)

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New method for improving the production of a secondary metabolite e.g. antineoplastic agent, ergot alkaloid from a fungus involves modulation of the expression of at least one zinc binuclear cluster protein gene.
                                                                                                                                                                                      Secondary metabolite; fungus; ZBC gene; zinc binuclear cluster protein; antibacterial; beta-lactam; anti-hypercholesterolaemic; lovastin; ameuastatin; immunosuppressant; cyclosporin A; ergot alkaloid; ergotamine; angiogenesis inhibitor; ovalicin; glucan synthase inhibitor; gliotoxin; fungal toxin; cell surface receptor; plant growth regulator; pigment; insecticide; antineoplastic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure; SEQ ID NO 176; 49pp + Sequence Listing; English.
                           ABP35656 standard; protein; 1090 AA.
                                                                                                                                                  Fungal ZBC protein sequence #82.
                                                                                                                                                                                                                                                                                                                                                                                                                                                          19-SEP-2001; 2001WO-US029288.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   19-SEP-2000; 2000US-0233564P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (MICR-) MICROBIA INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2002-352005/38.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            N-PSDB; ABN79845
                                                                                                                                                                                                                                                                                                                                                                          WO200224865-A2.
                                                                                                         24-JUL-2002
                                                                                                                                                                                                                                                                                                                                                                                                                    28-MAR-2002.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Holtzman D,
                                                                   ABP35656;
        ABP35656
                                                                 The invention relates to Pseudomonas aeruginosa polypeptides and the polynucleotides encoding them. The sequences are useful in diagnosis and therapy of pathological conditions, as molecular targets for diagnostics, prophylaxis and treatment of pathological conditions resulting from a bacterial infection, for evaluating a compound, such as a polypeptide, for the ability to bind a P aeruginosa nucleic acid, as components of effective antibacterial targets, as targets for antibacterial drugs, including anti-P. aeruginosa drugs, as templates for recombinant of prophylaxis and/or treatment of P. aeruginosa-caused infection, and in detection of P. aeruginosa sequences or other sequences of pseudomonas species using biochip technology. Sequences ABO67826-CABO84396 represent P. aeruginosa polypeptides of the invention. Note: The sequence data for this patent did not form part of the printed sequence data for this patent did not form part of the printed sequence data for this patent did not form part of the printed sequence the components of the printed sequence data for this patent did not form part of the printed sequence data for this patent did not form part of the printed sequence data for this patent did not form part of the printed sequence data for this patent did not form part of the printed sequence data for this patent did not form part of the printed sequence data for the printed sequence 
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Novel isolated nucleic acid encoding Pseudomonas aeruginosa polypeptide, useful as molecular targets for diagnostics, prophylaxis and treatment of pathological conditions resulting from bacterial infection.
                                                                                                                                                                                                                                                                                                                                                                   Bacterial infection; Pseudomonas aeruginosa infection; antibacterial.
                           Gaps
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0
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                         Indels
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    Pred. No. 1.3e+02; 
; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Rubenfield MJ, Nolling J, Deloughery C,
                                                                                                                                                                                                                                                                                                                                  Pseudomonas aeruginosa polypeptide #4370.
                                                                                                                                                                                                       ABO72195 standard; protein; 449 AA.
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    100.08;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             98US-0074788P.
                                                                                                                                                                                                                                                                                         (first entry)
                         7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                Pseudomonas aeruginosa.
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                                                                                                 83 GGIGDGG 89
                                                             1 GGIGDGG 7
Best Local Similarity
Matches 7; Conser
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                                                                                                                                                                                                                                               AB072195;
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                                                                                                                                                              RESULT 3
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Sherman A;

Maxon M,

Madden K,

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The invention Figures to improving the production of a detabolite by a fungus. This involves modulating the expression of at least one ZBC (zinc binuclear cluster protein) gene in a manner to least one ZBC (zinc binuclear cluster protein) gene in a manner to improve the yield of the secondary metabolite. Methods of the invention come as been doring the production of the secondary metabolite e.g. antibacterial (such as beta-lactam), an anti-hypercholesterolaemic (such as lovastin or mevastatin), an immunosuppressant (such as cyclosporin A), an ergotamine), an angiogenessis inhibitor (such as ovalicin), a glucan synthase inhibitor, allocoxin family of compounds, a fungal toxin, a modulator of cell surface receptor signalling, a plant compound. The method results in a decrease in fermentor run-time, a decrease in the size of the fermentor required for the production of compound. The method results in a decrease in fermentor run-time, a decrease in the size of the fermentor required for the production of blomass required for the production, which translates into decrease in the conds ABP3575-ABP3572 represent ZBC proteins. Note: The sequence contains the contains and an order of the printed specification, but
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
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The invention relates to improving the production of a secondary
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    was obtained directly from WIPO at-
ftp.wipo.int/pub/published_pct_sequences
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Best Local Similarity 100..
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RESULT 5 ABM89751

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Best Local Similarity Matches 7; Conserv

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GGIGDGG 335

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RESULT

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Human genome-derived single exon nucleic acid probes useful for analyzing gene expression in human fetal liver.
                                                                                                                                                                                                                                                                                                                             Claim 27; SEQ ID NO 32742; 639pp + Sequence Listing; English.
                                                                                                                                                                                                               (MOLE-) MOLECULAR DYNAMICS INC
                                                                                                                                                03-AUG-2000; 2000US-00632366.
21-SEP-2000; 2000US-0234687P.
7-SEP-2000; 2000US-0236359P.
04-OCT-2000; 2000GB-00024263.
                                                                                                           04-FEB-2000; 2000US-0180312P
26-MAY-2000; 2000US-0207456P
30-JUN-2000; 2000US-00608408
                                                                                  30-JAN-2001; 2001WO-US000669
                                                                                                                                                                                                                                        Hanzel DK,
                                                                                                                                                                                                                                                               WPI; 2001-483447/52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  genetic disorder
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 157 AA;
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                                   WO200157277-A2
           Homo sapiens.
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                                                           09-AUG-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    The invention relates to novel abiotic stress responsive polynucleotides and polypeptides. Also disclosed are vectors, expression cassettes, host cells, and plants containing such polynucleotides. Also disclosed are methods for using the polynucleotides to alter the responsiveness of a plant to abiotic stress. The invention is useful in agriculture. The nucleic acid is useful for determining whether a test plant has been exposed to an abiotic stress condition. It is also useful for selecting an agent that alters abiotic stress regulated polynucleotide expression in a plant cell, and to identify a homolog or ortholog to an abiotic stress responsive polynucleotide. The nucleic acid molecule and the polypeptide encoded by it are useful in altering the responsiveness of a plant to an abiotic stress, such as cold stress, salt stress, osmotic stress or any of their combinations. The present sequence
                                                                                                                                                                                                                                                                                                                                                                              New stress-responsive nucleic acid, useful for altering the responsiveness of a plant, e.g. cereal, to an abiotic stress such as cold stress, salt stress or osmotic stress.
                                                                                                 abiotic stress tolerance; transgenic plant; plant; cereal; agriculture.
                                                                                                                                                                                                                                                                                                                   Katagiri F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human; foetal liver; gene expression; single exon nucleic acid probe.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Peptide #7613 encoded by human foetal liver single exon probe.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 146;
                                                                         Rice abiotic stress responsive polypeptide SEQ ID NO:7997.
                                                                                                                                                                                                                                                                                                                   Cooper B, Glazebrook J, Goff SA,
N, Ricke D, Zhu T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Indels
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85.7%; Pred. No. 1.3e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 1; SEQ ID NO 7997; 89pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABB40107 standard; peptide; 157 AA.
ABM89751 standard; protein; 146 AA
                                                                                                                                                                                                                                                                                          (SYGN ) SYNGENTA PARTICIPATIONS AG
                                                                                                                                                                                                    21-JUN-2002; 2002WO-US019668.
                                                                                                                                                                                                                           22-JUN-2001; 2001US-0300112P.
24-AUG-2001; 2001US-0314662P.
26-SEP-2001; 2001US-0325277P.
21-NOV-2001; 2001US-0332132P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                   Briggs SP,
T, Provart
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
Local 6; Conserve
                                                                                                                                                                                                                                                                                                                                                       WPI; 2003-248011/24.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 146 AA;
                                                                                                                                                  WO2003008540-A2.
                                                                                                                                                                                                                                                                                                                                Moughamer T,
                                                                                                                           Oryza sativa
                                                02-JUN-2005
                                                                                                                                                                           30-JAN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABB40107;
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                                                                                                                                                                                                                                                                                                                    Kreps J,
                        ABM89751
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Chen W, Rank DR;

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The invention relates to a single exon nucleic acid probe for measuring human gene expression in a sample derived from human foetal liver. The single exon nucleic acid probes may be used for predicting, measuring and displaying gene expression in samples derived from human fetal liver. The present sequence is a peptide encoded by a single exon nucleic acid probe of the invention. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Peptide #7780 encoded by probe for measuring placental gene expression.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ;
                                                                                                                                                                                                                                                                                                                                                                                                        97.5%; Score 39; DB 4; Length 157;
85.7%; Pred. No. 1.4e+02;
.ive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Probe; microarray; human; placenta; antenatal diagnosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAM33743 standard; protein; 157 AA
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26-MAY-2000; 2000US-0207456P.
30-JUN-2000; 2000US-0060840B.
03-AUG-2000; 2000US-00632366.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     111 GGVGDGG 117
                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 GGIGDGG 7
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The present invention provides a number of single exon nucleic acid probes which are derived from genomic sequences expressed in the human bone marrow. They can be used to measure gene expression in bone marrow samples, which may enable the improved diagnosis and treatment of cancers such as lymphoma, leukaemia and myeloma. The present sequence is a protetin encoded by one of the probes of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human; brain expressed exon; gene expression analysis; probe; microarray; Alzheimer's disease; multiple sclerosis; schizophrenia; epilepsy; cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The present invention provides a number of single exon nucleic acid probes which are derived from genomic sequences expressed in the human brain. They can be used to measure gene expression in brain cell samples, which may enable the diagnosis and improved treatment of nervous system diseases such as Alzheimer's disease, multiple sclerosis, schizophrenia, epilepsy and cancers. The present sequence is a protein encoded by one of the probes of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                          Human brain expressed single exon probe encoded protein SEQ ID NO: 32970.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Single exon nucleic acid probes for analyzing gene expression in human
                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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                                                                                                                                                     Length 157;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               97.5%; Score 39; DB 4; Length 157;
85.7%; Pred. No. 1.4e+02;
ive 1; Mismatches 0; Indels
                                                                                                                                                97.5%; Score 39; DB 4; Length 15785.7%; Pred. No. 1.46+02; ive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Rank DR;
                                                                                                                                                                                                                                                                                                                               Ä
                                                                                                                                                                                                                                                                                                                          AAM60865 standard; protein; 157
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (MOLE-) MOLECULAR DYNAMICS INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2000US-00632366.
2000US-0234687P.
2000US-0236359P.
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2000US-0207456P.
2000US-00608408.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2000GB-00024263
                                                                                                                                                Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 85.7.
                                                                                                                                                                                                                                              111 GGVGDGG 117
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2001-483446/52.
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                                                                                                                                                                                                                 1 GGIGDGG
                                                                                                                    Sequence 157 AA;
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21-SEP-2000;
27-SEP-2000;
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                                                                                                                                                                                                                                                                                            RESULT 9
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         886666888
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                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                          Human genome-derived single exon nucleic acid probes useful for analyzing gene expression in human placenta.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            n genome-derived single exon nucleic acid probes useful for analyzing expression in human bone marrow.
                                                                                                                                                                                                                                      The present invention relates to single exon nucleic acid probes (SENP: see AA131315-AA157546). The present sequence is a peptide encoded by one such probe. The probes are useful for producing a microarray for predicting, measuring and displaying gene expression in samples derived from human placenta. The probes are useful for antenatal diagnosis of human genetic disorders
                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       marrow expressed exon; gene expression analysis; probe; cancer; leukaemia; lymphoma; myeloma.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human bone marrow expressed probe encoded protein SEQ ID NO: 33856.
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                                                                                                                                                                                                                                                                                                                                                                                         Length 157;
                                                                                                                                                                                                                                                                                                                                                                                     Score 39; DB 4; Length 157
Pred. No. 1.4e+02;
1; Mismatches 0; Indels
                                                                                                                                                                                                        Claim 27; SEQ ID NO 34012; 654pp; English.
                                                                                                 DR;
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                                                                                                 Rank
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                                                                (MOLE-) MOLECULAR DYNAMICS INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; 2000US-0180312P.
; 2000US-0207456P.
; 2000US-00608408.
; 2000US-00632366.
; 2000US-0234687P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (MOLE-) MOLECULAR DYNAMICS INC
21-SEP-2000; 2000US-0234687P.
27-SEP-2000; 2000US-0236359P.
04-OCT-2000; 2000GB-00024263.
                                                                                                 Chen W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Chen W,
                                                                                                                                                                                                                                                                                                                                                                                    97.5%;
85.7%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2000GB-00024263.
                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 85.7-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                             Hanzel DK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                111 GGVGDGG 117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DK,
                                                                                                                           WPI; 2001-488897/53
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 GGIGDGG
                                                                                                                                                                                                                                                                                                                                                    Sequence 157 AA;
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21-SEP-2000;
27-SEP-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     26-MAY-2000;
30-JUN-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               04-OCT-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           microarray;
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                                                                                               Penn SG,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              gene
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δ 셤 Human peptide encoded by genome-derived single exon probe SEQ ID 33078.

(first entry)

19-AUG-2002 ABG43413;

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The invention relates to a single exon nucleic acid probe (SENP) (I) for measuring human gene expression in a sample derived from human adult

1 iver, comprising one of 13109 defined nucleotide sequences given in the specification (or complements) fragments). The probe hybridises at high stringency to a nucleic acid molecule expressed in the human adult liver.

(I) may be used for predicting, measuring and displaying gene expression in samples derived from human adult liver. The genes identified may be involved in genetic liver diseases such as cirrhosis, hyperlipoproteinaemia, hyperlipidaemia and hypercholesterolaemia which is associated with coronary heart disease. ABG47348-ABG59930 represent human liver single exon encoded peptides of the invention. Note: The sequence information for this patent does not appear in the printed specification but was obtained in electronic format directly from WIPO at the wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human genome-derived single exon nucleic acid probes useful for analyzing
                                                                                                                                                                                               Human; liver; cirrhosis; hyperlipoproteinaemia; hyperlipidaemia;
hypercholesterolaemia; coronary heart disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 157;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      97.5%; Score 39; DB 4; Length 157
85.7%; Pred. No. 1.4e+02;
ive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 27; SEQ ID NO 33925; 658pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Chen W, Rank DR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        gene expression in human adult liver.
                                                                                                                                                                      Human liver peptide, SEQ ID No 33925
                                                                                    ABG55277 standard; peptide; 157 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (MOLE-) MOLECULAR DYNAMICS INC.
                                                                                                                                                                                                                                                                                                                                                                    2000US-0207456P.
2000US-00608408.
2000US-00632346.
2000US-0234687P.
2000US-0234637P.
                                                                                                                                                                                                                                                                                                                              30-JAN-2001; 2001WO-US000664
                                                                                                                                                                                                                                                                                                                                                           04-FEB-2000; 2000US-0180312P
                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Hanzel DK,
||:||||
111 GGVGDGG 117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2001-488898/53
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                                                                                                                                                                                                                                                                      WO200157273-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                              27-SEP-2000;
04-OCT-2000;
                                                                                                                                                                                                                                           Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                         26-MAY-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                    21-SEP-2000;
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                                                                                                                                            25-FEB-2003
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                                                                                                                ABG55277;
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                                                          RESULT 10
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the invention. Interacts to a special set of probes and the complete acid probes for measuring gene expression in a sample derived from human lung comprising single exon nucleic acid probes having one of from human lung comprising single exon nucleic acid probes having one of from human lung cacid sequences mentioned in the specification, or their complements or the 12387 open reading frames derived from the 12614 or probes. Also included are a microarray comprising the novel set of probes with the human lung, measuring gene expression in a sample derived from human lung, comprising (a) contacting the array with a contaction of detectably labeled nucleic acids derived from human lung measuring the label detectably bound to each probe of the array; identifying exons in a eukaryotic genome, comprising (a) algorithmically predicting at least one exon from genomic sequences of the eukaryote; and (b) detecting specific hybridisation of detectably contacting a fragment identical to the predicted exon, the probe is included in the above mentioned microarray; assigning exons to a single exon probe, the having a fragment identifying exons from genomic sequence by the method above and (b) measuring the expression of each of the exons in several trismas and/or cell types using hybridisation to a single exon comprising (c) microarrays having a probe with the exon, where a common pattern of expression of the exons should be assigned to a single gene, or the exons should be assigned to a single gene, a perplement mentioned in the panerial approper in preparation or encoded by the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          of 12011 sequences, mentioned in the specification, or encoded by the probes/open reading frames (ORF). The probes are used for gene expression analysis, and for identifying exons in a gene, particularly using human lung derived mRNA and for the study of lung diseases such as asthma, lung cancer, chronic obstructive pulmonary disease (COPD), interstitial lung disease (ILD), familial idiopathic pulmonary fibrosis, neurofibromatosis,
Human; single exon probe; asthma; lung cancer; COPD; ILD; chronic obstructive pulmonary disease; interstitial lung disease; familial idiopathic pulmonary fibrosis; neurofibromatosis; tuberous sclerosis; Gaucher's disease; Niemann-Pick disease; Hermansky-Pudlak syndrome; sarcoidosis; pulmonary haemosiderosis; pulmonary histicoytosis; lymphangioleiomyomtosis; Karagener syndrome; pulmonary alveolar proteinosis; fibrocystic pulmonary dyskinesis; pulmonary hypertension; hyaline membrane disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Spatially-addressable set of single exon nucleic acid probes, used to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention relates to a spatially-addressable set of single exon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                measure gene expression in human lung samples
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Chen W, Rank DR;
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26-MAY-2000; 2000US-0207456P.
30-JUN-2000; 2000US-00608408.
03-AUG-2000; 2000US-00632366.
21-SEP-2000; 2000US-0234687P.
27-SEP-2000; 2000US-023458P.
04-OCT-2000; 2000GB-00024263.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2002-114183/15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO200186003-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens.
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Gaps

ö

Conservative

Best Loc Matches

7

1 GGIGDGG

8

111 GGVGDGG 117

ABG43413 standard; peptide; 157 AA.

RESULT 11

ABG43413 ID ABG4

1 GGIGDGG 7

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention relates to a substantially purified nucleic acid molecule encoding a nitrite reductase of SEQ ID NO. 11926. Further disclosed is a recombinant DNA construct for expression of a nitrite reductase gene in a plant cell, and a plant cell comprising the recombinant DNA construct. The nucleic acid is useful for determining gene expression, identifying mutations in a gene of interest, and for constructing mutations in a gene of interest sequences given in records for SEQ IDS 962-16825 represent a group of 7134 Mysococcus xanthus proteins and peptides. Note: The sequence data for this parent did not form part of the printed specification, but was obtained in electronic format directly from USPTO
            Pudlak syndrome, sarcoidosis, pulmonary haemosiderosis, pulmonary histiocytosis, lymphangioleiomyomtosis, pulmonary alveolar proteinosis, karagener syndrome, fibrocystic pulmonary dysplassis, primary cliiary dyskinesis, pulmonary hypertension and hyaline membrane disease. The present sequence is a peptide/protein encoded by a single exon probe of the invention. Note: The sequence data for this patent did not form part of the printed appecification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences
  tuberous sclerosis, Gaucher's disease, Niemann-Pick disease, Hermansky-
                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  encoding a nitrite reductase, useful for determining gene expression, identifying mutations in a gene of interest, and for constructing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Transgenic plant; DNA replication; gene regulation; gene expression.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              substantially purified Myxococcus xanthus nucleic acid molecule
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                                                                                                                                                                                                                                   97.5%; Score 39; DB 5; Length 157; 85.7%; Pred. No. 1.4e+02; ive 1; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 2; SEQ ID NO 15733; 25pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              M. xanthus protein sequence, seq id 15733.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Goldman BS, Hinkle GJ, Slater SC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABM96534 standard; protein; 233 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       mutations in a gene of interest.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (MONS ) MONSANTO TECHNOLOGY LLC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      10-JUL-2000; 2000US-0217883P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             97.5%;
85.7%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     02-JUN-2005 (first entry)
                                                                                                                                                                                                                                                                              6; Conservative
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111 GGVGDGG 117
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                                                                                                                                                                                                                                                                                                                   1 GGIGDGG 7
                                                                                                                                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Myxococcus xanthus
                                                                                                                                                                                              Sequence 157 AA;
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cytostatic; cardiant; vasotropic; cerebroprotective; nootropic; neuroprotective; antibacterial; virucide; fungicide; opthalmological; gene therapy; channel/transporter protein; rheumatoid arthritis; neoplasm; cardiac arrest; cerebrovascular disorder; cerebral ischemia; angiogenesis; nervous system disorder; Alzheimer's disease; corneal infection; wound healing; epithalial cell proliferation; skin aging; sunburn; transplantation; chemotaxis; food additive.
                                                                                                                                    immunosuppressive; antiarthritic; antirheumatic; antiproliferative;
                                                                                                              Protein encoded by novel human channel/transporter gene #132 clone
                                                  ADM20064 standard; protein; 239 AA.
                                                                                                                                                                                                                                                                                                                                              2000US-0184664P.
2000US-0186350P.
                                                                                                                                                                                                                                                                                                                                                                                       2000US-0198123P.
2000US-0205515P.
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2000US-0225267P.
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                                                                                           (first entry)
156 ĠĠVĠĎĠĠ 162
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28-JUN-2000;
30-JUN-2000;
07-JUL-2000;
07-JUL-2000;
                                                                                                                                                                                                                                          Homo sapiens.
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14-AUG-2000;
14-AUG-2000;
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01-SEP-2000;
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02-MAR-2000;
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17-MAR-2000;
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11-JUL-2000;
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                                                                      ADM20064;
                              RESULT 13
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Gaps

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0; Indels

Mismatches

7;

6; Conservative

Best Local Similarity Matches 6; Conserv

Query Match

Score 39; DB 9; Length 233; Pred. No. 2e+02;

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2000US - 0241826P
2000US - 0244617P
2000US - 0246474P
2000US - 0246475P
2000US - 0246476P
2000US - 0246477P
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21-SEP-2000; 2000US-0234223P-
21-SEP-2000; 2000US-02342489P-
25-SEP-2000; 2000US-0234999P-
                                                                                                                                                                                                                                                                                                                                            2000US-0246613P
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              06-SEP-2000;
08-SEP-2000;
08-SEP-2000;
08-SEP-2000;
08-SEP-2000;
08-SEP-2000;
08-SEP-2000;
114-SEP-2000;
114-SEP-2000;
114-SEP-2000;
114-SEP-2000;
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08-NOV-2000;
08-NOV-2000;
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13-OCT-2000;
13-OCT-2000;
20-OCT-2000;
20-OCT-2000;
20-OCT-2000;
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The invention relates to an isolated nucleic acid molecule encoding a channel/transporter protein or sequences at least 95% identical to a channel/transporter protein or sequences at least 95% identical to a channel/transporter protein or sequences by them are used to prevent, treat or ameliorate a medical condition in e.g. humans, mice, rabbits, goats, horses, cats, dogs, chickens or sheep. They are also used in diagnosing a pathological condition or susceptibility to a chathological condition. The antibodies to the proteins can also be used in alleviating symptoms associated with the disorders and in diagnostic in munosasays e.g. radioimmunosasays or enzyme linked immunosorbent assays (ELISA). Disorders which are diagnosed or treated include autoimmune diseases e.g. rheumatoid arthritis, hyperproliferative disorders e.g. neceplasms of the breast or liver, cardovascular disorders e.g. carrest, cerebrovascular disorders e.g. decebral ischemia, angiogenesis, carrest, cerebrovascular disorders e.g. Alzheimer's disease, infections caused by corpus before transplantation, for supporting a corneal infection. CT he polypeptides can also be used to aid wound healing and epithelial cell proliferation, to prevent skin aging due to sunburn, to maintain corpus before transplantation, for supporting cell culture of primary tissues, to regenerate tissues and in chemotaxis. The polypeptides can also be used as a food additive or preservative to increase or decrease construction in the protein of the province of increase or decrease or incarring and additive or preservative to increase or decrease construction in the protein of the province of increase or decrease or incarring the province of increase or decrease or incarring the province of increase or decrease or incarring the province of the province 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Isolated nucleic acid molecule encoding a channel/transporter protein is used in preventing, treating or ameliorating a medical condition.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 11; SEQ ID NO 871; 809pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Barash SC, Ruben SM;
                                                                                                                                                                                                                                                                                                                                                                   08-DEC-2000; 2000US-0251856P.
08-DEC-2000; 2000US-0251868P.
08-DEC-2000; 2000US-0251869P.
08-DEC-2000; 2000US-0251989P.
08-DEC-2000; 2000US-0251990P.
11-DEC-2000; 2000US-0251990P.
                                                                                                                                                       2000US-0249297P.
2000US-0249299P.
2000US-0249300P.
2000US-0250160P.
2000US-0251030P.
2000US-0251030P.
2000US-0251030P.
2000US-0251198P.
                                                                     2000US-0249244P.
2000US-0249245P.
2000US-0249264P.
                                                                                                                                        2000US-0249265P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (HUMA-) HUMAN GENOME SCI INC
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Best Local Similarity 85.7
Matches 6; Conservative
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17-NOV-2000; 2
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01-DEC-2000; 2
05-DEC-2000; 2
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06-DEC-2000;
                                                                                                                                                                                                                                                                                                       05-DEC-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Rosen CA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          invention
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AAB58809 standard; protein; 250 AA.

GGIGDGG 7 ||:||:|| GGVGDGG

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RESULT 14 AAB58809 abiotic stress tolerance; transgenic plant; plant; cereal; agriculture.

Rice abiotic stress responsive polypeptide SEQ ID NO:5020.

(first entry)

02-JUN-2005

ABM86774 standard; protein; 326 AA.

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Sequences AAF21614 - AAF22031 represent DNA sequences encoding human proteins AAB59111 - AAB59128. The DNA and protein sequences are proteins AAB59111 - AAB59128. The DNA and protein sequences are sequences at an ovarian cancer. Included in the invention are sequences AAF22032 - AAF22040 and AAB59129 which are used in the invention are sequences AAF22032 - AAF22040 and AAB59129 which are used in the invention. The breast and ovarian cancer associated DNA, protein, agonist or antagonist sequences exhibit cytostatic; immunosuppressive; noctropic; neuroprotective; antivital; antiallergic; hepatotropic; antidiabetic; antifungal; antiparasitic and cardiant activity. The polynucleotide and protein sequences are used in the diagnosis of cancer, particularly continued and cardiant activity. The polynucleotide and protein sequences are used in the diagnosis, prevention and treatment of immune disorders e.g. Addison's disease, allergies, autoimmune continued activity cand agonists and ovarian cancer. The nucleic adisease, allergies, autoimmune thyroiditis, diabetes mellitus, Crohn's disease, multiple sclerosis, rheumatoid arthritis and ulcerative colitis; cardiovascular diseases such as encerbral anoxia and epilepsy; and enling;
                                                                                                          Breast and ovarian cancer associated antigen protein sequence SEQ ID 517.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New human breast and ovarian cancer associated gene sequences and the polypeptides encoded by these genes, useful in the prevention, treatment and diagnosis of cancer, immune disorders, cardiovascular disorders and
                                                                                                                                                    Human; breast cancer; ovarian cancer; cytostatic; immunosuppressive; nootropic; neurpprotective; antiviral; antiallergic; hepatotropic; antidiabetic; antiinflammatory; antiulcer; vulnerary; anticonvulsant; antibacterial; antifungal; antiparasitic; cardiant; immune disorder; Addison's disease; allergy; autoimmune haemolytic anaemia; autoimmune thyroiditis; diabetes mellitus; Crohn's disease; multiple sclerosis; rheumatoid arthritis; ulcerative colitis; cardiovascular disorder; wound healing; neurological disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 11; Page 953; 1299pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   08-MAR-2000; 2000WO-US005881.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  99US-0124270P.
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                                                               27-MAR-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            neurological diseases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Rosen CA, Ruben SM;
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                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens.
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%XCCCCCCCCCCCCCCCCCCCX8X141414XBBX1XBXBXBXBXBXBX8XXXXXXXXXXBXBXXBXXBX
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Katagiri F;

Goff SA,

Glazebrook J, J, Zhu T;

Cooper B, Gl N, Ricke D,

Briggs SP, Coo T, Provart N,

Moughamer T,

Kreps J,

(SYGN ) SYNGENTA PARTICIPATIONS AG.

21-JUN-2002; 2002WO-US019668.

WO2003008540-A2

30-JAN-2003

Oryza sativa,

22-JUN-2001; 2001US-0300112P. 24-AUG-2001; 2001US-0314662P. 26-SEP-2001; 2001US-0325277P. 21-NOV-2001; 2001US-0332132P

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and polypeptides. Also disclosed are vectors, expression cassettes, host cells, and plants containing such polynucleotides. Also disclosed are methods for using the polynucleotides and polypeptides to alter the responsiveness of a plant to abiotic stress. The invention is useful in agriculture. The nucleic acid is useful for determining whether a test plant has been exposed to an abiotic stress condition. It is also useful for selecting an agent that alters abiotic stress regulated polynucleotide expression in a plant cell, and to identify a homolog or ortholog to an abiotic stress responsive polynucleotide. The nucleic acid molecule and the polypeptide encoded by it are useful in altering the responsiveness of a plant to an abiotic stress, such as cold stress, salt stress, osmotic stress cany of their combinations. The present sequence is used in the exemplification of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                               New stress-responsive nucleic acid, useful for altering the responsiveness of a plant, e.g. cereal, to an abiotic stress such as cold stress, salt stress or osmotic stress.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The invention relates to novel abiotic stress responsive polynucleotides
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85.7%; Pred. No. 2.8e+02;
ive 1; Mismatches 0; Indels
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Best Local Similarity
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0; Indels

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6; Conservative

Query Match Best Local Similarity Matches 6; Conserv

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RESULT 15 **ABM86774** 

1 GGIGDGG 7

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97.5%; 85.7%;

Score 39; DB 3; Length 250; Pred. No. 2.2e+02; 1; Mismatches 0; Indels

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gene therapy; channel/transporter protein; rheumatoid arthritis; neoplasm; cardiac arrest; cerebrovascular disorder; cerebral ischemia; angiogenesis; nervous system disorder; Alzheimer's disease; corneal infection; wound healing; epithelial cell proliferation; skin aging; sunburn; transplantation; chemotaxis; food additive.
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05-SEP-2000; 2000US-0229513P.

06-SEP-2000; 2000US-0230437P.

06-SEP-2000; 2000US-0231438P.

08-SEP-2000; 2000US-0231243P.

08-SEP-2000; 2000US-0231244P.

08-SEP-2000; 2000US-0231414P.

08-SEP-2000; 2000US-0231414P.
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2000US-022575P.
2000US-0225758P.
2000US-0225759P.
200US-02266B1P.
2000US-02266B1P.
2000US-02266B1P.
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2000US-0228924P.
2000US-0229287P.
2000US-0229343P.
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2000US-0229345P.
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2000US-0232081P.
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                                                                                                                                      WO200154472-A2
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17-MAR-2000;
18-APR-2000;
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                                                                                                            Homo sapiens.
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14-AUG-2000;
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14-AUG-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       14-AUG-2000;
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                                                                                                                                                                   02-AUG-2001
       The invention relates to isolated polymucleotide (I) and polypeptide (II) sequences. (I) is useful as hybridisation probes, polymerase chain reaction (PCR) primers, oligomers, and for chromosome and gene mapping, and in recombinant production of (II). The polymuclectides are also used in diagnostics as expressed sequence tags for identifying expressed genes. (I) is useful in gene therapy techniques to restore normal civility of (II) or to treat disease states involving (II). (II) is useful for generating antibodies against it, detecting or quantitating a polypeptide in tissue, as molecular weight markers and as a food supplement. (II) and its binding partners are useful for treating disorders of sites expressing (II). (I) and (II) are useful for treating disorders involving aberrant protein expression or biological activity. The polypeptide and polymucleotide sequences have applications in diagnostics, forensics, gene mapping, identification of mutations responsible for genetic disorders or other traits to assess biodiversity and to produce other types of data and products dependent on DNA and amino acid sequences. ABG00010-ABG30377 represent novel human diagnostic amino acid sequences of the invention. Note: The sequence data for this electronic format directly from MPO at the printed specification, but was obtained in electronic format directly from MPO at the printed specification, but was obtained in the printed specification.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 cytostatic; cardiant; vasotropic; cerebroprotective; nootropic; neuroprotective; antibacterial; virucide; fungicide; opthalmological;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 immunosuppressive; antiarthritic; antirheumatic; antiproliferative;
                                                                                                                                                                                                                                                                                                   New isolated polynucleotide and encoded polypeptides, useful in diagnostics, forensics, gene mapping, identification of mutations responsible for genetic disorders or other traits and to assess
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       food supplement; medical imaging; diagnostic; genetic disorder.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Protein encoded by novel human channel/transporter gene #132.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 39; DB 4; Length 399;
Pred. No. 3.4e+02;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                               Claim 20; SEQ ID NO 59000; 103pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADM19814 standard; protein; 445 AA.
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85.7%;
                                                                                                                          30-MAR-2001; 2001WO-US008631
                                                                                                                                                      31-MAR-2000; 2000US-00540217.
23-AUG-2000; 2000US-00649167.
                                                                                                                                                                                                                               Tang YT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20-MAY-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 6; Conservative
                                                                                                                                                                                                                                                           WPI; 2001-639362/73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          28 GGVGDGG 34
                                                                                                                                                                                                                               Drmanac RT, Liu C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
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                                                                                                                                                                                                  (HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 399 AA;
                                                                                                                                                                                                                                                                          N-PSDB; AAS92828
                                                                 WO200175067-A2
                                                                                                                                                                                                                                                                                                                                                    biodiversity.
                                    Homo sapiens.
                                                                                               11-OCT-2001
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14-SEP-2000; 2000US-0233064P.
21-SEP-2000; 2000US-0233065P.
21-SEP-2000; 2000US-0234223P.
21-SEP-2000; 2000US-0234242P.
22-SEP-2000; 2000US-02343997P.
25-SEP-2000; 2000US-0234997P.
25-SEP-2000; 2000US-0234997P.
27-SEP-2000; 2000US-0234997P.
27-SEP-2000; 2000US-0234997P.
27-SEP-2000; 2000US-0234998P.
27-SEP-2000; 2000US-023498P.
27-SEP-2000; 2000US-023498P.
27-SEP-2000; 2000US-023498P.
27-SEP-2000; 2000US-023498P.
27-SEP-2000; 2000US-0234178P.
27-SEP-2000; 2000US-02341826P.
28-NOV-2000; 2000US-02446478P.
28-NOV-2000; 2000US-0246478P.
28-NOV-2000; 2000US-0246478P.
28-NOV-2000; 2000US-0246478P.
28-NOV-2000; 2000US-0246478P.
28-NOV-2000; 2000US-0246528P.
28-NOV-2000; 2000US-0249218P.
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2000US-0251856P.
2000US-0251868P.
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The invention relates to an isolated nucleic acid molecule encoding a channel/transporter protein or sequences at least 95% identical to a these. The nucleic acids and proteins encoded by them are used to prevent, treat or ameliorate a medical condition in e.g. humans, mice, rabbits, goats, horses, cats, dogs, chickens or sheep. They are also used to dispussed a pathological condition or susceptibility to a pathological condition. The antibodies to the proteins can also be used in alleviating symptoms associated with the disorders and in diagnostic in alleviating symptoms associated with the disorders and in diagnostic (ELISA). Disorders which are diagnosed or treated include autoimmune diseases e.g. radioimmunosasys e.g. radioimmunosassys e.g. recommenders e.g. cardiac carest, cerebrovascular disorders e.g. cerebral isohemia, anglogenesis, nervous system disorders e.g. Alzheimer's disease, infections caused by CT bacteria, viruses and fungi and ocular disorders e.g. corneal infection. CT he polypeptides can also be used to aid wound healing and epithelial corgans before transplantation, for supporting cell culture of primary tissues, to regenerate tissues and in chemotaxis. The polypeptides can also be used to aid wound bealing and epithelial corgans before transplantation, for supporting cell culture of primary tissues, to regenerate tissues and in chemotaxis. The polypeptides can also be used corresponds to a protein of the increase corresponds to a protein of the
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                                                                                                                                                                                                                                                                         Isolated nucleic acid molecule encoding a channel/transporter protein is used in preventing, treating or ameliorating a medical condition.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
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                                                                                                                                                                                                                                                                                                                                     Claim 11; SEQ ID NO 621; 809pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABP43927 standard; protein; 525 AA
                                                                                                                                                                       Ruben SM
08-DEC-2000; 2000US-0251869P.
08-DEC-2000; 2000US-0251989P.
08-DEC-2000; 2000US-02590P.
11-DEC-2000; 2000US-0254097P.
05-JAN-2001; 2001US-0259678P.
                                                                                                                           (HUMA-) HUMAN GENOME SCI INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FLJ20261 fis clone COLF7630.
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                                                                                                                                                                     Barash SC,
                                                                                                                                                                                                              WPI; 2001-476159/51.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 GGIGDGG 7
                                                                                                                                                                                                                                 N-PSDB; ADM19335
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 445 AA;
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                                                                                                                                                                  Rosen CA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     vulnerary.
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18-APR-2002.

Tang YT, Xue AJ,

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The invention relates to a nucleic acid probe for measuring human gene expression, comprising any of the 27,400 fully defined nucleotide estates in the specification, or their complements or fragments, and candidates in the specification. The probe is a single exon probe that chybridises under high stringency conditions to a nucleic acid molecule expressed in human cells or tissues. Also included are a spatially—addressable set of single exon nucleic acid probes for measuring human gene expression (comprising a plurality of single exon nucleic acid purality of probes cited above, where each of the plurality of probes for measurely duman gene expression, a method of candidatesably isolatable or amplifiable from the plurality), a single exon microarray for measuring human gene expression, a vector comprising the single exon probes cited above, where each of the plurality of probes is separately exon microarray for measuring human gene expression, a vector comprising at least 8 contiguous amino acids of any of the above—mentioned amino acids of solling and/or licensing single exon probes or microarrays to a customer desiring to measure gene expression, a method of providing contiguous melum which contains a database having a plurality of records (each record including data on the expression of a single exon microarrays contied above. The probes methods and apparatus are useful in gene expression analysis. The probes may be used as tools for surveying crosspecific exon, or in constructing genome-derived single exon microarrays. Contend above: the probes are used in idetecting and characterising gross and alterative splicing events, in priming the synthesis of nucleic acids, and alterative splicing events, in priming the synthesis of nucleic acids, and alterations in the genomic older invention. Where The sequence is a human condition of the invention where the presence of the presence of the
                                                                                     human genome-derived single exon nucleic acid probes useful for human expression analysis, for identifying or characterizing alternative icing events, for assessing genomic alterations or as tools for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Drosophila; developmental biology; cell signalling; insecticide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 38; DB 8; Length 37;
Pred. No. 50;
1; Mismatches 0; Indels
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                                                                                                                                                                                                                        Claim 45; SEQ ID NO 29024; 80pp; English.
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Rank DR, Hanzel DK;
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Matches 6; Conservative
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                                              WPI; 2004-119264/12
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                                                                                                                                                                               surveying tissues.
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  Penn SG,
                                                                                                                                                splicing
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The invention relates to 446 newly isolated polynucleotide sequences. The activity of polynucleotides of the invention may be described as, vulnerary, neuroprotective, immunomodulator, cytostatic and anti-inflammatory. Compositions comprising nucleic acids of the invention are useful for treating a mammalian subject, or as nutritional sources or supplements. These are useful in gene therapy, particularly for treating wounds, burns or ulcers, Alzheimer's disease, Huntington's disease, amyotrophic lateral sclerosis, autoimmune disorders, cancer or inflammation. The nucleic acids and polypeptides are also useful in diagnostic and research methods. The sequences given in records ABP4354-ABP4399 represent polypeptides encoded by polynucleotides of the invention. The requence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                          New polypeptides and their encoded proteins, useful as nutritional sources or supplements, or in gene therapy, particularly for treating wounds, Alzheimer's disease, amyotrophic lateral sclerosis, cancer or
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 20; SEQ ID # 830; 357pp + Sequence Listing; English.
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Pred. No. 4.4e+02;
1; Mismatches 0; Indels
                                                                                                                                                                               Zhao QA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human, gene expression, single exon probe, microarray, alternative splicing event, genomic alteration.
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                                                                                                                                                                                 Zhang J,
                                                                                                                                                                            Asundi V, Zhar
I, Drmanac RT;
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                                                                                                                                                                               Zhou P, As
Wehrman T,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 97.5%;
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                            11-OCT-2001; 2001WO-US027760.
                                                                             12-OCT-2000; 2000US-00687527
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Best Local Similarity Bb...
6; Conservative
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                                                                                                                                                                                                                                                       WPI; 2002-426278/45.
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(RANK/) RANK D R.
(HANZ/) HANZEL D K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 GGIGDGG 7
                                                                                                                              (HYSE-) HYSEQ INC.
                                                                                                                                                                               Liu C,
Yang Y,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 525 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US2003194704-A1.
                                                                                                                                                                                                                                                                                 N-PSDB; ABQ61171
                                                                                                                                                                                                                                                                                                                                                                                                             inflammation.
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AB055390;

RESULT 19 ABO55390

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polymorleotides encoding them. The sequences are useful in diagnosis and therapy of pathological conditions, as molecular targets for diagnostics, prophylaxis and treatment of pathological conditions resulting from a bacterial infection, for evaluating a compound, such as a polypeptide, for the ability to bind a P. aeruginosa nucleic acid, as components of effective antibacterial targets, as targets for antibacterial drugs, including anti-P. aeruginosa drugs, as templates for recombinant production of P. aeruginosa derived peptides or polypeptides, as target components for diagnosis and/or treatment of P. seruginosa caused infection, and in detection of P. aeruginosa sequences or other sequences of Pseudomonas species using biochip technology. Sequences ABO67826-ABO84396 represent P. aeruginosa polypeptides of the invention. Note: The specification but was obtained in electronic format from USPTO at
                    Novel isolated nucleic acid encoding Pseudomonas aeruginosa polypeptide, useful as molecular targets for diagnostics, prophylaxis and treatment of pathological conditions resulting from bacterial infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Angiotensin converting enzyme splice variant; ACEV; interleukin 6; gramulocyte colony stimulating factor receptor; glucagon; hypertrophy; platelet-derived endothelial cell growth factor; cardiovascular disease; cellular tumour antigen P5; cyclin-dependent kinase inhibitor 1C; vasoactive intestinal polypeptide receptor 2; arteriosclerosis; cancer; myocardial infarction; coronary arterial thrombosis; renal disease; diabetic nephropathy; muscular disease; immune disorder; sarcoidosis; multiple sclerosis; immune complex nephritis; deep vein thrombosis; nonarcoidotic pulmonary granulomatous disease; endothelial abnormality;
                                                                                                                    The invention relates to Pseudomonas aeruginosa polypeptides and the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Angiotensin converting enzyme (ACEV) splice variant protein #2.
                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 38; DB 7; Length 430;
Pred. No. 5.2e+02;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Bernstein J;
                                                                                     Disclosure; SEQ ID NO 32661; 455pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Levine Z, David A, Azar I, Khosravi R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAU02902 standard; protein; 682 AA.
                                                                                                                                                                                                                                                                                                                                                                        seqdata.uspto.gov/sequence.html
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            vascular disorder; asbestosis.
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Best Local Similarity 85.7
Matches 6; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          64 GGLGDGG 70
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2001-336004/35.
N-PSDB; AAS06002.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 GGIGDGG 7
                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 430 AA;
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10-DEC-1999;
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                                                                                                                                                                                                                                                                                                                                                              The invention relates to an isolated nucleic acid detection reagent capable of detecting 1000 or more genes from Drosophila. The invention useful in developmental biology and in elucidating cell signalling and cell-cell interactions in higher eukaryotes for the development of insecticides, therespectics and pharmaceutical drugs. The invention discloses genomic DNA sequences (ABL16176-ABL30511), expressed DNA sequences (ABL16179-ABL30511), appressed DNA ABR2072). The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                New isolated nucleic acid detection reagent for detecting 1000 or more genes from Drosophila and for elucidating cell signaling and cell-cell interactions.
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                                                                                                                                                                                                                                                                                                                                   Disclosure; SEQ ID NO 9876; 21pp + Sequence Listing; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 38; DB 4; Length 427;
Pred. No. 5.2e+02;
1; Mismatches 0; Indels
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                                                                                                                                                                                    Myers EW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABO83915 standard; protein; 430 AA.
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                                                                                                                                                                                Li PWD,
                                                                 23-MAR-2001; 2001WO-US009231
                                                                                                23-MAR-2000; 2000US-0191637P.
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Local Similarity 85.7%;
les 6; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
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                                                                                                                                                                                Adams M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   296 GGLGDGG 302
                                                                                                                                                                                                               WPI; 2001-656860/75.
N-PSDB; ABL05131.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 427 AA;
WO200171042-A2
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                                27-SEP-2001.
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                                                                                                                                                                                Venter JC,
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'note= "Acyl_carrier protein (ACP) domain"
623. 6046
'label= KS6_domain
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/label= ACP7_domain
/note= "Acyl_carrier protein (ACP) domain"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /label= KR8_domain
/note= "Ketoreductase (KR) domain"
10939. .11012
/label= ACP8 domain
/note= "Acyl_carrier protein (ACP) domain"
                                                     note= "Ketoreductase (KR) domain"
1407. .3480
/label= ACP4_domain
note= "Acyl carrier protein (ACP) domain"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        protein (ACP) domain"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  7939. .8253
/label= AT7 domain
/note= "Acyltransferase (AT) domain"
8267. 8470
/label= DH7 domain
/note= "Dehydratase (DH) domain"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9214. .9637
/label= KS8_domain
/note= "Ketosynthase (KS) domain"
9758. .10072
/label= AT8_domain
/note= "Acyltransferase (AT) domain"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               'note= "Acyltransferase (AT) domain"
                                                                                                                                                                                                 'note= "AcyItransferase (AT) domain"
                                                                                                                                                                                                                                                              1953. .5239
|label= ER5_domain
|note= "Enoylreductase (ER) domain"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Anotes "Ketoreductase (KR) domain" 7315. 7388 /labels ACP6 domain notes "Acyl carrier protein (ACP)
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                                                                                                                                                                                                                                                                                                                                         (KR) domain'
                                                                                                                     501. .3924
|label= KS5_domain
|note= "Ketosynthase (KS) domain"
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6166. .6478
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 408 | 7831
| Jabel= KS7 domain
| note= "Ketosynthase (KS) domain"
label= DH4_domain
'note= "Dehydratase (DH) domain"
                                                                                                                                                                                                                                               (DH) domain"
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                                                                                                                                                                                                                                                                                                           248. .5495
label= KR5_domain
note= "Ketoreductase
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/label= DH8_domain
/note= "Dehydratase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              'note= "Dehydratase
                                                                                                                                                                                                                                               'note= "Dehydratase
                                                                                                                                                                                                                                                                                                                                                      5528. .5601
/label= ACP5_domain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               492. .6704
label= DH6_domain
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/label= KR7_domain
                                                                                                                                                                                                                 4360. .4561
/label= DH5_domain
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/label= AT6_domain
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/label= KR6_domain
                           .032. .4346
|label= AT5_domain
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The sequence represents an angiotensin converting enzyme splice variant (ACEV) polypeptide. The polypeptides of the invention include variants of granulocyte colony stimulating factor receptor, glucagon, interleukin 6, platelet-derived endothelial cell growth factor, cyclin-dependent kinase inhibitor 1C, cellular tummour antigen P53, and vasoactive intestinal colypeptides receptor 2. The polypeptides and their associated nucleic acids are useful for identification of variant sequences and detection of candidate compounds capable of binding the molecules. The sequences of the invention can be used in the treatment and diagnosis of various also an endiance influence and coronary arterial thrombosis, renal diseases such as diabetic nephropathy, muscular diseases such as hypertrophy, immune disorders such as immune complex nephritis, multiple sclerosis, cancer, sarcoidosis, nonarcoidotic pulmonary granulomatous diseases such as asbestosis and vascular pathologies involving an endothelial
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                Novel alternative splicing variants e.g. variant of angiotensin converting enzyme (ACEV), useful in identifying candidate compounds capable of binding to the variant and to detect anti-variant antibodies.
                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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|abel= ACP3_domain
note= "Acyl_carrier protein (ACP) domain"
                                                                                                                                                                                                                                                                                                                                                                                                          Length 682;
                                                                                                                                                                                                                                                                                                                                                                                           Score 36; DB 4; Length vo.,
Pred, No. 1.78+03;
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/note= "Acyltransferase (AT) domain"
2617. .2818
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           46. .858
|label= AT3 domain
|note= "AcyItransferase (AT) domain"
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| Tabel= KR3_domain
| Inote= "Ketoreductase (KR) domain"
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/label= Ks3_domain
/note= "KetGsynthase (KS) domain"
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/label= DH3_domain
/note= "Dehydratase (DH) domain"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Streptomyces noursei nystatin gene, NysC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAE10129 standard; protein; 11096 AA.
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                                                                              Claim 4; Fig 2; 519pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 85.7%;
Matches 6; Conservative
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508 GGIGEGG 514
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 GGIGDGG 7
                                                                                                                                                                                                                                                                                                                                                                             Sequence 682 AA;
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(DZIE/) (ZOTC/) (SEKU/) (FJAE/) (BRAU/) (STRO/)

UYNO-) (ALPH-) SINV-) zotchev

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This sequence represents a peptide ligand for the fibrin polymerisation site. The invention relates to a complex (A) for thrombus imaging comprises technetium-99m (Tc-99m) completed with a reagent comprising a peptide (P) with 4 to 100 amino acids sequence and a Tc-99m binding moiety covalently bound to (P). (P) is selected from a linear peptide ligand for a GPIIb/IIIa receptor not comprising the amino acid sequence (arginine-glycine-aspartate), a peptide ligand for a polymerisation site of fibrin, and a cyclic peptide ligand for the GPIIb/IIIa receptor. The thrombus imaging reagents provided by the present invention can be used for visualising thrombi in a mammalian body when Tc-99m is labelled
                                                                                                                                                                                                                                   A complex used for thrombus imaging comprises technetium-99m complexed with a peptide ligand for GPIIb/IIIa receptor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Peptide #3166 encoded by probe for measuring cervical gene expression.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 human; microarray; gene expression; cervical epithelial cell;
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Pred. No. 79;
0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                    Example 2; Col 13-14; 18pp; English.
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                                                95US-00484773
                                                                                92US-00886052
                                                                                                 94US-00273274
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85.7%;
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2000US-00632366.
2000US-0234687P.
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2000US-0207456P.
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Best Local Similarity 85.7°,
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                                                                                                                                  (DIAT-) DIATIDE INC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 19 AA;
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26-MAY-2000;
30-JUN-2000;
03-AUG-2000;
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                                                07-JUN-1995;
                                                                                                 11-JUL-1994;
                                                                                 21-MAY-1992;
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                 19-0CT-1999
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The present invention relates to the cloning and sequencing of the gene cluster encoding a modular type I polyketide synthase (PKS) enzyme involved in the biosynthesis of the macrolide antibiotic nystatin. The nystatin PKS is useful as antifungal antibiotics. The present sequence is a PKS type I encoding Streptomyces noursei nystatin gene, NysC
                                                                                                                                                                                                                                                                                                                                                                                                                                                      New nystatin polyketide synthase polynucleotides and polypeptides, useful as antibiotics and antifungals.
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                                                                                                                                                                                                                                                                                                                                                   Fjaervik E, Brautaset T, etta H, Gulliksen O;
                                                                                                                                              UNIV NORGES TEKNISK NATURVITENSKAPELIGE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Peptide ligand for fibrin polymerisation site.
                                                                                                                                                              SINTEF STIFTELSEN IND TEK FORSK. ALPHARMA AS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 15; Page 170-176; 266pp; English.
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                                                                            2000GB-00002840.
2000GB-00008786.
2000GB-00009387.
                                           08-FEB-2001; 2001WO-GB000509
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Ellingsen TE, 1
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ZOTCHEV S B.
SEKUROVA O N.
FJAERVIK E.
BRAUTASET T.
STROM A R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 || ||||
8425 GGFGDGG 8431
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Best Local Similarity
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                                                                            08-FEB-2000;
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14-APR-2000;
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             16-AUG-2001
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Matches

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sequence is a peptide encoded by a single exon nucleic acid probe
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2000US-00608408.
2000US-00632366.
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2000US-0236359P.
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85.7%;
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ilarity 85.7%;
Conservative
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                                                                                                           6; Conservative
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ses 6; Conserv
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Best Local Similarity
Matches 6; Conserv
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30-JUN-2000;
03-AUG-2000;
21-SEP-2000;
27-SEP-2000;
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                                                                                           The present invention relates to human single exon nucleic acid probes (SENP: see AAI10068-AAI28459). The present sequence is a peptide encoded by one such probe. The SENPs are derived from human HeLa cells. The SENPs can be used to produce a single exon microarray, which can be used for measuring human gene expression in a sample derived from human cervical epithelial cells. By measuring gene expression, the probes are therefore useful in grading and/or staging of diseases of the cervix, notably cervical cancer. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human genome-derived single exon nucleic acid probes useful for analyzing gene expression in human fetal liver.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to a single exon nucleic acid probe for measuring human gene expression in a sample derived from human foetal liver. The single exon nucleic acid probes may be used for predicting, measuring and displaying gene expression in samples derived from human fetal liver. The
                                  n genome-derived single exon nucleic acid probes useful for analyzing
expression in human cervical epithelial cells.
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                                                                                                                                                                                                                                                    Score 35; DB 4; Length 61;
                                                                                                                                                                                                                                                              Pred. No. 2.4e+02;
); Mismatches 1; Indels
                                                                       Claim 27; SEQ ID NO 21558; 487pp; English
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                                                                                                                                                                                                                                                                                                                                                                                     standard; peptide; 61 AA.
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2000US-00608408.

2000US-00632366.

2000US-0234687P.

2000US-0236359P.
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85.7%;
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             WPI; 2001-488901/53
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Best Local Similarity
Matches 6; Conserv
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of the invention. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human; foetal liver; gene expression; single exon nucleic acid probe.
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Pred. No. 2.4e+02;
0; Mismatches 1; Indels
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Pred. No. 2.4e+02;
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(MOLE-) MOLECULAR DYNAMICS INC
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03-MG-2000; 2000US-00532566.
21-SEP-2000; 2000US-023487P.
27-SEP-2000; 2000US-023539P.
04-OCT-2000; 2000GB-00024263.
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                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2001-496933/54
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                                     WO200157271-A2.
Homo sapiens.
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26-MAY-2000;
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                                                                          09-AUG-2001.
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                                                                                                                                                                                                                                                                                                                                                      Penn SG,
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                                                                                                                                                                                       Peptide #3257 encoded by probe for measuring placental gene expression.
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Pred. No. 2.4e+02;
); Mismatches 1; Indels
                                                                                                                                                                                                                                microarray; human; placenta; antenatal diagnosis,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Mismatches
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                                                                    AAM29220 standard; protein; 61 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      expression in human placenta.
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26-WAY-2000; 2000US-0207456P.
30-JUN-2000; 2000US-0060408.
03-AUG-2000; 2000US-00632366.
21-SEP-2000; 2000US-0234687P.
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85.7%;
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                                                                                                           AAM29220;
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                                 RESULT 28
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                                                   AAM29220
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Chen W, Rank DR;

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nucleic acid probes for measuring gene expression in a sample derived from human breast and BT 474 cells. The method involves contacting the probes with a collection of detectably labelled nucleic acid derived probes with a collection of detectably labelled nucleic acids derived probe of the microarray. The probes are useful for verifying the expression of regions of genomic DNA predicted to encode proteins. They are useful for gene discovery, and for determining predisposition and/or prognosing breast disease. Gene expression analysis is useful for assessing the toxicity of chemical agents on cells. The microarray of this invention presents after greater diversity of probes for measuring gene expression, with far less bias than expressed sequence tag microarrays. The method is suitable for rapid production of functional information from genomic sequence. The present sequence is a peptide information from genomic sequence. The present sequence is a peptide sequence data for this patent did not form part of the printed sequence data for this patent did not form part of the printed sequence by a single exon nucleic acid probe of the invention. Note: The sequence data for this patent did not form part of the printed sequence data for this patent did not form part of the printed sequence.
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New spatially-addressable set of single exon nucleic acid probes, useful for measuring gene expression in sample derived from human breast, comprises number of single exon nucleic acid probes.
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                                                                                                                                                                                                                                                                                                             of single exon
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85.7%; Pred. No. 2.4e+02;
ive 0; Mismatches 1; Indels
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Best Local Similarity
Matches 6; Conserv
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The present invention relates to single exon nucleic acid probes for measuring human gene expression in a sample derived from human heart (see ABA11355-ABA41305). The present sequence is a protein encoded by one such probe. The probes may be used for predicting, measuring and displaying gene expression in samples derived from the human heart via microarrays. By measuring gene expression, the probes are useful for predicting, diagnosing, staging, monitoring and prognosing diseases of the human heart and vascular system e.g. cardiovascular disease. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Single exon nucleic acid probes for analyzing gene expression in human
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microarray; cancer; leukaemia; lymphoma; myeloma.
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Pred. No. 2.4e+02;
0; Mismatches 1;
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26-MAY-2000; 2000US-0207456P.
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21-SEP-2000; 2000US-0234687P.
27-SEP-2000; 2000US-0236359P.
04-OCT-2000; 2000GB-00024263.
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85.7%;
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30-JUN-2000; 2
03-AUG-2000; 2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 27; SEQ ID NO 13521; 327pp + Sequence Listing; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 35; DB 4; I Pred. No. 2.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Chen W, Rank DR;
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                                                                                                                                                                                                                                                                             03-AUG-2000; 2000US-00632366.
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2000US-0236359P.
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                                                                                                                                                                                                                2000US-0207456P.
2000US-00608408
                                                                                                                      30-JAN-2001; 2001WO-US000662
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Hanzel DK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2001-496933/54
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO200157274-A2
WO200157271-A2
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27-SEP-2000;
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ABB21146

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Gaps

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Length 61; 1; Indels

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probes which are derived from genomic sequences expressed in the human bone marrow. They can be used to measure gene expression in bone marrow samples, which may enable the improved diagnosis and treatment of cancers such as lymphoma, leukaemia and myeloma. The present sequence is a protein encoded by one of the probes of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The present invention provides a number of single exon nucleic acid probes which are derived from genomic sequences expressed in the human brain. They can be used to measure gene expression in brain cell samples, which may enable the diagnosis and improved treatment of nervous system diseases such as Alzheimer's disease, multiple sclerosis, schizophrenia, epilepsy and cancers. The present sequence is a protein encoded by one of the probes of the invention
                                                                                                                                                                                                                                                                                                                                                                                 Human; brain expressed exon; gene expression analysis; probe; microarray; Alzheimer's disease; multiple sclerosis; schizophrenia; epilepsy; cancer.
                                                                                                                                                                                                                                                                                                                                                      Human brain expressed single exon probe encoded protein SEQ ID NO: 27179.
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    The present invention provides a number of single exon nucleic acid
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                                                                                                              Score 35; DB 4; Length 61;
Pred, No. 2.48+02;
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Pred. No. 2.4e+02;
0; Mismatches 1;
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85.7%;
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2000US-00608408
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                                                                                                                                                                                                                                                                                                                             entry)
                                                                                                                                                   6; Conservative
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                                                                                                                       Query Match
Best Local Similarity
Matches 6; Conserv
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Best Local Similarity
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                                                                                                                                                                                                       GGYGDGG
                                                                                              Sequence 61 AA;
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04-OCT-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     brains.
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                                                                                                                                                                                                The present invention provides a number of single exon nucleic acid probes which are derived from genomic sequences expressed in the human bone marrow. They can be used to measure gene expression in bone marrow samples, which may enable the improved diagnosis and treatment of cancers such as lymphoma, leukaemia and myeloma. The present sequence is a protein encoded by one of the probes of the invention
                                                                                                                                Human genome-derived single exon nucleic acid probes useful for analyzing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        genome-derived single exon nucleic acid probes useful for analyzing
                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 marrow expressed exon; gene expression analysis; probe; cancer; leukaemia; lymphoma; myeloma.
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                                                                                                                                                                                                                                                                                                                         Score 35; DB 4; Length 61;
Pred. No. 2.4e+02;
0; Mismatches 1; Indels
                                                                               Rank DR;
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                                                                                                                                                expression in human bone marrow.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAM68909 standard; protein; 61 AA.
                                                   (MOLE-) MOLECULAR DYNAMICS INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; 2000US-0207456P.
; 2000US-00608408.
; 2000US-00632366.
; 2000US-0234687P.
; 2000US-0236359P.
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                                                                              Chen W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Chen W,
21-SEP-2000; 2000US-0234687P.
27-SEP-2000; 2000US-0236359P.
04-OCT-2000; 2000GB-00024263.
                                                                                                                                                                                                                                                                                                                         87.5%;
85.7%;
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                                                                                                                                                                                                                                                                                                                                                     6; Conservative
                                                                              Hanzel DK,
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                                                                                                        WPI; 2001-488900/53
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                                                                                                                                                                                                                                                                                                                                                                              7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  bone marrow
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                                                                                                                                                                                                                                                                                                Sequence 61 AA;
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03-AUG-2000;
21-SEP-2000;
27-SEP-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               microarray;
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                                                                              SG,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human;
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Matches
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measuring human gene expression in a sample derived from human adult liver, comprising one of 13109 defined nucleotide sequences given in the specification (or complements/ fragments). The probe hypridises at high stringency to a nucleic acid molecule expressed in the human adult liver. Stringency to a nucleic acid molecule expressed in the human adult liver. (1) may be used for predicting, measuring and displaying gene expression in samples derived from human adult liver. The genes identified may be involved in genetic liver diseases such as cirrhosis, the principled may be hyperlipoproteinaemia, hyperlipidaemia and hypercholesterolaemia which is associated with coronary heart disease. ABG47348-ABG59930 represent human liver single exon encoded peptides of the invention. Note: The sequence information for this patent does not appear in the printed specification but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                         Human genome-derived single exon nucleic acid probes useful for analyzing gene expression in human adult liver.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Peptide #1718 encoded by probe for measuring breast gene expression.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Probe; human; breast disease; breast cancer; development disorder; inflammatory disease; proliferative breast disease; non-carcinoma
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The invention relates to a single exon nucleic acid probe (SENP)
Human, liver, cirrhosis, hyperlipoproteinaemia, hyperlipidaemia,
hypercholesterolaemia, coronary heart disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 35; DB 4; Length 61; Pred. No. 2.4e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                          27; SEQ ID NO 29222; 658pp; English
                                                                                                                                                                                                                                                                                                                                Rank DR;
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                                                                                                                                                                                        26-MAY-2000; 2000US-0207456P.
30-UTN-2000; 2000US-00608408.
03-AUG-2000; 2000US-00532366.
21-SEP-2000; 2000US-0234687P.
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85.7%;
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                                                                                 WO200157273-A2
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                                                  Homo sapiens
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                                                                                                               09-AUG-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The present invention provides a number of single exon nucleic acid probes which are derived from genomic sequences expressed in the human brain. They can be used to measure gene expression in brain cell samples, which may enable the diagnosis and improved treatment of nervous system diseases such as Alzheimer's disease, multiple sclerosis, schizophrenia, epilepsy and cancers. The present sequence is a protein encoded by one of
                                                                                                                                                                                                                          Human; brain expressed exon; gene expression analysis; probe; microarray; Alzheimer's disease; multiple sclerosis; schizophrenia; epilepsy; cancer.
                                                                                                                                                                                             Human brain expressed single exon probe encoded protein SEQ 1D NO: 28632.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Single exon nucleic acid probes for analyzing gene expression in human
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 35; DB 4; Lenguared, No. 2.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Chen W, Rank DR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human liver peptide, SEQ ID No 29222
                                                                                                  AAMS6527 standard; protein; 61 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABG50574 standard; peptide; 61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (MOLE-) MOLECULAR DYNAMICS INC
                                                                                                                                                                                                                                                                                                                                                                                                                                             03-AUG-2000; 2000US-00632366.
21-SEP-2000; 2000US-02346B7P.
27-SEP-2000; 2000US-035359P.
04-OCT-2000; 2000GB-00024263.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        87.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                26-MAY-2000; 2000US-0207456P.
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                                                                                                                                                                (first entry)
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      || ||||
| GGYGDGG 38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GCYCDGG 38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2001-483446/52
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Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 GGIGDGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 61 AA;
                                                                                                                                                                                                                                                                                                        WO200157275-A2
                                                                                                                                                                                                                                                                           sapiens.
                                                                                                                                                                05-NOV-2001
                                                                                                                                                                                                                                                                                                                                     09-AUG-2001
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                                                                                                                                 AAM56527;
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                      32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Penn SG,
                                                                                                                                                                                                                                                                           Homo
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                                                                                    AAM5652
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Gaps

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The present invention relates to novel single exon nucleic acid probes (see AAI00010-AAI10067). The present sequence is a peptide encoded by one such probe. The probes are useful for measuring human gene expression in a human breast sample, where the probe hybridises at high stringency to a nucleic acid expressed in the human breast. The probes are useful for predicting, diagnosing, grading, staging, monitoring and prognosing diseases of the human breast, particularly those diseases with polygenic aetiology. The diseases include: breast cancer, disorders of development, inflammatory diseases of the breast, fibrocystic changes, proliferative breast disease and non-carcinoma tumours. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at fip.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                               Novel single exon nucleic acid probe used to measuring gene expression in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human peptide encoded by genome-derived single exon probe SEQ ID 28155.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Hermansky-Pudlak syndrome; sarcoidosis; pulmonary haemosiderosis; pulmonary histiccytosis; lymphangioleiomyomtosis; Karagener syndrome; pulmonary alveolar proteinosis; fibrocystic pulmonary dysplasia; primary ciliary dyskinesis; pulmonary hypertension; hyaline membrane disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human; single exon probe; asthma; lung cancer; COPD; ILD; chronic Obstructive pulmonary disease; interstitial lung disease; familial idiopathic pulmonary fibrosis; neurofibromatosis; tuberous sclerosis; Gaucher's disease; Niemann-Pick disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 35; DB 4; Length 61;
Pred. No. 2.4e+02;
); Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             87.5%; Scc...
85.7%; Pred. No. ...
0; Mismatches
                                                                                                                                                                                                                                                                                            Claim 27; SEQ ID NO 13189; 322pp; English
                                                                                                                                        Chen W, Rank DR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABG38490 standard; peptide; 61 AA.
                                                                                           (MOLE-) MOLECULAR DYNAMICS INC
  21-SEP-2000; 2000US-0234687P.
27-SEP-2000; 2000US-0236359P.
04-OCT-2000; 2000GB-00024263.
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2000US-00608408.
2000US-00632366.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                        Hanzel DK,
                                                                                                                                                                                  WPI; 2001-476286/51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 32 GGYGDGG 38
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                                                                                                                                                                                                                                                        human breast.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 61 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO200186003-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 26-MAY-2000;
30-JUN-2000;
03-AUG-2000;
21-SEP-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        19-AUG-2002
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                                                                                                                                        Penn SG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABG38490;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The present invention relates to novel single exon nucleic acid probes (see AAI00010-AAI10067). The present sequence is a peptide encoded by one such probe. The probes are useful for measuring human gene expression in a human breast sample, where the probe hybridises at high stringency to a nucleic acid expressed in the human breast. The probes are useful for predicting, diagnosing, stading, monitoring and prognosing diseases of the human breast, particularly those diseases with polygenic actiology. The diseases include: breast cancer, disorders of development inflammatory diseases of the breast, fibrocystic changes, proliferative breast disease and non-carcinoma tumours. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at
                                                                                                                                                                                                                                                                                                                                                                                                     Novel single exon nucleic acid probe used to measuring gene expression in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Probe; human; breast disease; breast cancer; development disorder; inflammatory disease; proliferative breast disease; non-carcinoma tumour.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Peptide #3131 encoded by probe for measuring breast gene expression.
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85.7%; Pred. No. 2.4e+02;
ive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 27; SEQ ID NO 11776; 322pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                   Rank DR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAM04449 standard; protein; 61 AA.
                                                                                                       26-MAY-2000; 2000US-0207456P.
30-JUN-2000; 2000US-00608408.
03-AUG-2000; 2000US-00632366.
21-SEP-2000; 2000US-023468TP.
27-SEP-2000; 2000US-0236359P.
04-OCT-2000; 2000GB-00024263.
                                                                                                                                                                                                                                                                                                                   Chen W,
                                                                                                                                                                                                                                                                    (MOLE-) MOLECULAR DYNAMICS INC
                                            29-JAN-2001; 2001WO-US000661
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               04-FEB-2000; 2000US-0180312P.
26-MX7-2000; 2000US-0207456P.
30-JUN-2000; 2000US-00608408.
03-AUG-2000; 2000US-00632366.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 61 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                               human breast
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO200157270-A2.
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09-AUG-2001
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                                                                                                                                                                                                                                                                                                                 Penn SG,
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Matches

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RESULT 38 AAM04449

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Gaps

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The invention relates to a spatially-addressable set of single exon nucleic acid probes for measuring gene expression in a sample derived from human lung comparising single exon nucleic acid probes having one of 12614 mucleic acid sequences mentioned in the specification, or their complements or the 12387 open reading frames derived from the 12614 complements or the 12387 open reading frames derived from the 12614 mucleic acid sequences which hybridise at high stringency to a nucleic acid expressed in the human lung; measuring gene expression in a sample detectably comprising (a) contacting the array with a sample detectably labeled nucleic acids derived from human lung; comprising (a) contacting the array; identifying acons in a eukaryotic genome, comprising (a) algorithmically predicting at least one exon from genomic sequences of the eukaryote; and (b) detecting specific hybridisation of detectably classing the expression of the predicted exon mucleic acids from enkaryote lung mRNA, to a single exon probe, laving a fragment identifical to the predicted exon; the probe is included in the above mentioned microarray; assigning exons to a single exon probe, comprising (a) identifying exons from genomic sequence by the method above and (b) measuring the expression of each of the exons in several crossion of the exons should be assigned to a single gene; a peptide comprising one cof 12011 sequences, mentioned in the specification, or encoded by the cypression of the exons should be assigned to a single gene; a peptide comprising one cof 12011 sequences, mentioned in the specification, or encoded by the cancer, chronic obstructive pulmonary fibrosis, neurofibromatosis, und for the study of lung disease such as asthma, lung derived mRNA and for the study of lung disease (CDD), interstitial lung disease (LD), familial idiopathic pulmonary hismanically pulmonary and propersymment of sucher's disease (LD), familial idiopathic pulmonary places, prime availance of the reading serice disease (LD), sequence, scherce is pul
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            dyskinesis, pulmonary hypertension and hyaline membrane disease. The present sequence is a peptide/protein encoded by a single exon probe of the invention. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Spatially-addressable set of single exon nucleic acid probes, used to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Karagener syndrome, fibrocystic pulmonary dysplasia, primary ciliary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                directly from WIPO at ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                measure gene expression in human lung samples.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 27; SEQ ID NO 28155; 634pp; English.
                                                                                                                                                                                                                                                                                  Chen W, Rank DR;
                                                                                                                                                                         (MOLE-) MOLECULAR DYNAMICS INC.
27-SEP-2000; 2000US-0236359P. 04-OCT-2000; 2000GB-00024263.
                                                                                                                                                                                                                                                                                        Hanzel DK,
                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2002-114183/15.
                                                                                                                                                                                                                                                                                             Penn SG,
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87.5%; Score 35; DB 5; Length 61; 85.7%; Pred. No. 2.48+02; cive 0; Mismatches 1; Indels Conservative Query Match Best Local Similarity Local 6; Conserve Sequence 61 AA;

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Gaps

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32 GGYGDGG 38 1 GGIGDGG 7 ò a

ABP33054 standard; protein; 137 (first entry) 09-JUL-2002 ABP33054; BXXXXXB

RESULT 40

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Human ORF2027 protein, SEQ ID NO:4054.

nummans, ors, upen teaturing; cell proliferation; cell differentiation; disease monitoring; oytokine; cell proliferation; cell differentiation; immune modulation; haematopoiesis regulation; tissue growth; angiogenesis; activin; inhibin; chemoteactic; chemokinetic; haemostatic; thrombolytic; tumour inhibition; bodily characteristic; fertility; behaviour; cancer; proliferative disorder; neurological disorder; cardiovascular disease; immune system disorder; organ transplantation; tissue growth disorder; tissue regeneration disorder; diabetes mellitus; hypothyroidism; cholesterol ester storage disease; infection; vulnerary; neuroprotective; antidabetic; cytostatic; nootropic; erropercetive; antidabetic; cytostatic; nootropic; cardiant; hypotensive; antidabetic; antidiamatory; immunomodulator; dermatological; analgesic; virucide; antibacterial; fungicide. Human; ORF; open reading frame; ORFX; drug screening; diagnosis; 24-MAY-2001; 2001WO-US017076. 24-MAY-2000; 2000US-0206690P. Leach MD, Shimkets RA; (CURA-) CURAGEN CORP. 2002-106200/14. WPI; 2002-106200/ N-PSDB; ABN77080. WO200190366-A2. Homo sapiens. 29-NOV-2001. 

Novel human polypeptides and polynucleotides useful for diagnosing, preventing and treating cardiovascular disease, neurodegenerative, hyperproliferative disorders and disorders related to organ transplantation.

Claim 10; Page 1271; 2508pp; English.

XX
Sequences ABP31028-ABP35561 represent 4534 novel human proteins
designated ORF (open reading frame) 1-4534, and sequences ABN75054ABN75054ABN75054 represent coNAs encoding them. The invention also encompasses
polypeptides at least 80% identical to the ORF1-ORF4534 (collectively to INP79595) represent coNAs encoding them. The invention also encompasses
polypeptides at least 80% identical to the ORFX nucleotides at least 85% identical to the ORFX proteins, polymucleotides at deast 65% identical to the ORFX proteins, methods of detecting ORFX proteins, antibodies polypeptides, methods of screening for modulators of ORFX proteins, antibodies and polypeptides, methods of screening individuals for a predisposition to an ORFX-proteins, such as cytokine, cell proliferation, immune modulation, hammed proteins of the invention have a wide range of biological activities, such as cytokine, cell proliferation, immune modulation, hammed proteins, cell differentiation, immune modulation, hammed cell virty, chemotracion, tissue growth, angiogenesis activity, themostatic inhibition activity, and antihiferation and may also be involved in the determination and antihodies may be used in the treatment of cancers, other proliferative disorders such as epilepsy and behaviour. ORFX proteins, corporated and antibodies may be used in the treatment of cancers, corporated and antibodies may be used all Alzheimer's disorders und and antibodies may be used all Alzheimer's disorders und and antibodies may be used allowed by viral, bacterial, crospect formers and probes; in the detection of ORFX genomic sequences or transcripte, in the identification and cloning of homologues or transcriptes, in the identification and colorgy and infectionally be used to produce transgenic animals muchans be useful for studying the function and/or activity of ORFX muchaic acids may additionally be used to produce a processes in generate specific antibodies, which are been been to penserate specific antibodies, which are been to generate specific antib

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glyphosphate tolerance; hormone sensitivity; disease resistance; sugar sensing; flowering; flower structure; stem bifurcation; branching pattern; apical dominance; trichome; stem morphology; root prowth; root hair; seed development; cell proliferation; cell differentiation; premature senescence; necrosis; plant size; leaf morphology; seed morphology; seed blochemistry; root anthocyanin; plant anthocyanin; light response; shade avoidance; bioinformatic; transcription factor; gene; de.
                                          transgenic; plant; enhanced tolerance to abiotic stress;
             Plant transcription factor #237.
                                                                                                                                                                                                                                                                          25-FEB-2003; 2003US-00374780.
                                                                                                                                                                                                                                                                                                       18-APR-2001; 2001US-00837944.
                                                                                                                                                                                                                 US2004019927-A1.
                                                                                                                                                                                       Oryza sativa.
                                                                                                                                                                                                                                              29-JAN-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (PILG/)
(DUBE/)
(PINE/)
(YUGG/)
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(RIEC/)
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(HEAR/)
(HAAK/)
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(RATC/)
(ADAM/)
(REUB/)
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(BROU/)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The invention describes a new isolated nucleic acid encoding a Klebsiella phoeumoniae polypeptide. Also described are: a recombinant expression vector comprising the nucleic acid, operably linked a transcription regulatory element; and a cell comprising the recombinant expression regulatory element; and a cell comprising the recombinant expression evector. The nucleic acid is useful for preparing a vaccine composition against Klebsiella pneumoniae. This is the amino acid sequence of a Klebsiella pneumoniae polypeptide of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New nucleic acid encoding a Klebsiella pneumoniae polypeptide, useful for preparing a vaccine composition against Klebsiella pneumoniae.
                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                 Recombinant expression vector; transcription regulatory element; Klebsiella pneumoniae protein; antibacterial; Vaccine.
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                                       Score 35; DB 5; Length 137; Pred. No. 5.2e+02; 0; Mismatches 1; Indels
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85.7%; Pred. No. 5.4e+02;
ive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                     Klebsiella pneumoniae polypeptide seqid 8382.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Disclosure; SEQ ID NO 8382; 932pp; English.
                                                                                                                                                                                               ABO61865 standard; protein; 142 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GENO-) GENOME THERAPEUTICS CORP.
                                    87.58;
                                                                                                                                                                                                                                                                                                                                                                                                                                                27-JAN-2000; 2000US-00489039
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              99US-0117747P
                                                                                                                                                                                                                                                          (first entry)
                                                                   6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Osborne M;
                                                                                                                                                                                                                                                                                                                                                           Klebsiella pneumoniae.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2003-895346/82.
                                                                                                                          56 GGTGDGG 62
                                                                                             1 GGIGDGG 7
                                                    Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 N-PSDB; ACH95416.
          Sequence 137 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 142 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           29-JAN-1999;
                                                                                                                                                                                                                                                          29-JUL-2004
                                                                                                                                                                                                                                                                                                                                                                                        US6610836-B1,
                                                                                                                                                                                                                                                                                                                                                                                                                     26-AUG-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Breton GL,
                                     Ouery Match
Best Local S:
Matches 6
                                                                                                                                                                                                                           ABO61865;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Loca
Matches
                                                                                                                                                                    RESULT 41
                                                                                                                                                                                    AB061865
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ij

SHERMAN B K. RIECHMANN J JIANG C. HEARD J E. HAAKE V.

CREELMAN R A.

RATCLIFFE O.

ADAM L J.
REUBER T L.
KEDDIE J.
BROUN P E.
PILGRIM M L.
DUBELL A N.

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The invention describes a transgenic plant comprising a recombinant polynucleotide of any one of more than 500 nucleotide sequences fully defined in the specification or its complement. The method of the invention can be used to produced a plant having altered traits such as: ensitivity; disease resistance; sugar sensibility or lateration or call complement; altered branching attend flower structure, change in stem bifurcations, altered branching pattern, reduced apical dominance, reduced trichome density; lack of trichomes; reduced ercopic trichome number; altered stem morphology; increase in trichome number; altered seed development; increased root growth; increased root hairs; altered seed development; premature senescence; increased root hairs; increase in seedling or plant size; decreased plant size; leaf morphology; seed morphology; seed blochemistry; increase in root anthocyanins; increase in plant size; decreased plant size; leaf morphology; seed morphology; seed blochemistry; increase in root anthocyanins; increase in plant transgenic plant, polymucleotides and polypeptides are useful in transgenic plant, planted and orthologue of Arabiodopsis thaliana transcription factor, and an orthologue of Arabiodopsis thaliana transgenic plant with altered traits.
                                                          Broun PE;
                                                                                                                                                                                                                                                                   New transgenic plant comprising a recombinant polynucleotide of any or of more than 500 nucleotide sequences, useful in bioinformatic search
Haake V;
Keddie J,
        Heard JE,
Reuber TL,
    Riechmann JL, Jiang C, Hea:
Ratcliffe O, Adam LJ, Reul
Dubell AN, Pineda O, Yu G;
                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 1; SEQ ID NO 505; 435pp; English.
                                                                                                                                                                              WPI; 2004-132245/13
                                                 RA,
                                                                                             Pilgrim ML,
                                                          Creelman
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A - The Control of the

ADI42042 standard; protein; 165 AA.

RESULT 42 ADI42042

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95 GGAGDGG 101

7

1 GGIGDGG

ò q 22-APR-2004 (first entry)

ADI42042;

Riechmann JL,

YU G.

g

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ADO63760;
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                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                            Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADO63760
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The present invention relates to novel plant transcription factor

proteins (1) and nucleotide sequences (11) (AD061534-AD063778). The

sequences can be used to produce transpenic plants, which overexpress

(II), where the transpenic plant has an altered trait as compared to a

non-transpenic plant or wild-type plant. The transpenic plant comprises

c an altered trait selected from increased tolerance to ablotic stress,
increased tolerance to osmotic stress, increased tolerance to cold,
increased germination in cold, increased tolerance to heat, increased

c increased permination in notal, increased tolerance to heat, increased

concreased tolerance to low nitrogen conditions, increased tolerance to

c on whosphate conditions, increased tolerance to disease, including

fungal disease and particularly Erysiphe, Fusarium and Botrytis,
increased sensitivity to ABA, reduced sensitivity to ABA,
increased sensitivity to ACC, altered sugar sensing, increased tolerance

c glyphosate, increased sensitivity to ABA, reduced sensitivity to ABA,
increased sensitivity to ACC, altered sugar sensing, increased tolerance

c c sugars, altered actornoming, sensing, early flowering, latered

c flowering, altered shoot meristem development, altered branching pattern,
c altered stem morphology, altered vascular tissue structure, reduced

c apical dominance, altered trichome development, altered seed

altered trichome structure, altered seed ripening, altered seed

avoidance, altered seed development, altered seed ripening, altered seed
                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                          Plant; transcription factor; transgenic plant; abiotic stress tolerance; somedic stress tolerance; cold tolerance; heat tolerance; low nitrogen tolerance; low hosphate tolerance; fungal disease; glyphosate resistance; flowering; fertility; seed development.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New recombinant polynucleotide encoding transcription factor polypeptides, useful for producing transgenic plants with advantageous properties compared to a reference plant.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Reuber TL;
                                                                                 Gaps
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Sherman BK;
                                         Length 165;
                                                                                                                                                                                                                                                                                                                                                                                     Transcription factor G47 orthologous sequence, SEQ ID 703.
                                                                                 1;
                                       87.5%; Score 35; DB 8; I
85.7%; Pred. No. 6.2e+02;
iive 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Creelman RA,
Keddie JS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 1; SEQ ID NO 703; 510pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               IJE, Ratcliffe O, C
Haake V, Dubell AN,
                                                                                                                                                                                                                                                                 ADO62236 standard; protein; 165 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (MEND-) MENDEL BIOTECHNOLOGY INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          18-SEP-2002; 2002US-0411837P.
17-DEC-2002; 2002US-0434166P.
24-APR-2003; 2003US-0465809P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    18-SEP-2003; 2003WO-US030292.
                                                                                                                                                                                                                                                                                                                                               (first entry)
                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2004-330163/30.
                                                                                                                     1 GGIGDGG 7
                                                                                                                                                             GGAGDGG 71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Heard JE,
                                                          Local Similarity
  Sequence 165 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WO2004031349-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Jiang C, Hear
Riechmann JL,
                                                                               ,
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                                                                                                                                                                                                                                                                                                                                               15-JUL-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               15-APR-2004
                                                                                                                                                                                                                                                                                                         ADO62236;
                                         Query Match
                                                                               Matches
                                                                                                                                                                                                                         RESULT
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germination, slow growth, fast growth, altered cell differentiation,
altered cell proliferation, altered cell expansion, altered phase change,
altered senescence, abnormal embryo development, altered programmed cell
death, lethality when overexpressed, altered necrosis patterns, increased
plant size, increased biomass, large seedlings, dwarfed plants, dark
green leaves, change in leaf shape, increased leaf size and mass, light
green or gray leaves, glossy leaves, altered abaxial/daaxial polarity,
altered seed coloration, altered seed size, altered seed shape, large
content, altered seed protein content, increased anthocyanin levels, and
decreased anthocyanin levels. Note: The sequence data for this patent did
cot form part of the printed specification, but was obtained in
electronic format directly from WIPO at
ttp.wipo.int/pub/published_pct_sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Plant; transcription factor; transgenic plant; abiotic stress tolerance; osmotic stress tolerance; cold tolerance; heat tolerance; low nitrogen tolerance; low phosphate tolerance; fungal disease; glyphosate resistance; flowering; fertility; seed development.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The present invention relates to novel plant transcription factor proteins (1) and nucleotide sequences (II) (ADO61534-ADO63778). The sequences can be used to produce transgenic plants, which overexpress (II), where the transgenic plant has an altered trait as compared to a non-transgenic plant or wild-type plant. The transgenic plant comprises
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             polypeptides, useful for producing transgenic plants with advantageous properties compared to a reference plant.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Reuber
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Sherman BK;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New recombinant polynucleotide encoding transcription factor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 165;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 35; DB 8; I
Pred. No. 6.2e+02;
0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Creelman RA,
Keddie JS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure; SEQ ID NO 2227; 510pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ratcliffe O, C
V, Dubell AN,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AD063760 standard; protein; 228 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (MEND-) MENDEL BIOTECHNOLOGY INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           18-SEP-2003; 2003WO-US030292.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        18-SEP-2002; 2002US-0411837P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   17-DEC-2002; 2002US-0434166P. 24-APR-2003; 2003US-0465809P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               87.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Riechmann JL, Haake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2004-330163/30.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Heard JE,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          65 GGAGDGG 71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 GGIGDGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        N-PSDB; ADO63759
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 165 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO2004031349-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Oryza sativa.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           15-JUL-2004
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an altered trait selected from increased tolerance to abiotic stress, increased tolerance to cond, increased tolerance to cold, increased tolerance to cold, correased tolerance to cold, increased tolerance to cold, increased tolerance to theat, increased tolerance to freezing conditions.

Companibility increased tolerance to disease, including thoughate conditions, increased tolerance to disease, including the particularly Erysiphe, Fusarium and Botrytis, increased tolerance to multiple fungal pathogens, increased resistance to increased sensitivity to ABA, reduced sensitivity to ABA, reduced sensitivity to ABA, reduced sensitivity to ABA, increased sensitivity to ABA, reduced sensitivity to ABC, altered sugar sensing, increased tolerance to sugars, altered carbon/nitrogen sensing, increased tolerance to sugars, altered shoot meristem development, altered branching pattern, altered seem morphology, altered vaculate tissue structure, reduced fertility, altered shoot meristem development, altered branching pattern, altered altered seed development, altered coll proliferation, altered coll expansion, altered seed coll proliferation, altered coll expansion, altered seed development, altered coll proliferation, altered coll expansion, altered seed coll proliferation, altered coll expansion, altered planse change, altered senescence, abnormal embryo development, altered planse, darked plants, deren plans size, increased plants, altered planse, increased plants, deren planse, size, altered seed colloration, altered seed size and mass, light green or gray leaves, glossy leaves, altered abaxial/adaxial polarity, collerance increased increased leaf size and mass, large seed size, altered seed sole colloration, altered seed seed colloration, altered seed size, altered seed colloration, altered seed seed colloration.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        seed, increased leaf wax, increased leaf fatty acids, altered seed oil content, altered seed protein content, altered seedprenyl content, altered leaf prenyl lipid content, increased anthocyanin levels, and decreased anthocyanin levels. Note: The sequence data for this patent did not form part of the princed specification, but was obtained in electronic format directly from WIPO at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     transcription factor; transgenic plant; agriculture; drought resistance;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Stress tolerant plant-related transcription factor protein SeqID90.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    87.5%; Score 35; DB 8; Length 228; 85.7%; Pred. No. 8.5e+02; ive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AEA26249 standard; protein; 228 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (MEND-) MENDEL BIOTECHNOLOGY INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        13-NOV-2003; 2003US-00714887.
05-DEC-2003; 2003US-0527658P.
05-FEB-2004; 2004US-0542928P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           12-NOV-2004; 2004WO-US037584.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Riechmann JL,
Kumimoto RW,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                104 GGAGDGG 110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 GGIGDGG 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   stress tolerance.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 228 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO2005047516-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        28-JUL-2005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Oryza sativa.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           26-MAY-2005.
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Repetti P,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AEA26249;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
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                                                                                         New transgenic plants for producing commercially or agriculturally useful plants having improved tolerance to drought, shade and low nitrogen
                                                                                                                                                                                This invention relates to a novel plant transcription factor polypeptides, the DNA sequences which encode them and their use in creating transgenic plants. The transgenic plant and methods are useful for producing commercially or agriculturally useful plants having improved tolerance to drought, shade and low nitrogen conditions when compared to wild-type reference plants. The present sequence is that of plant transcription factor protein which was used during the development of the transgenic plants of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Plant; transcription factor; transgenic plant; abiotic stress tolerance; sometic stress tolerance; cold tolerance; heat tolerance; low nitrogen tolerance; low phosphate tolerance; fungal disease; glyphosate resistance; flowering; fertility; seed development.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New recombinant polynucleotide encoding transcription factor polypeptides, useful for producing transgenic plants with advantageous properties compared to a reference plant.
   Adam L;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Reuber TL;
                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                         ö
 Century KS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Transcription factor G3651 orthologous sequence, SEQ ID 2237.
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Sherman BK:
                                                                                                                                                                                                                                                                                                                                                        Score 35; DB 9; Length 228; Pred. No. 8.5e+02; 0; Mismatches 1; Indels
 Keddie JS, Jiang C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Creelman RA,
Keddie JS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Disclosure; SEQ ID NO 2237; 510pp; English
                                                                                                                                                      Example 8; SEQ ID NO 90; 407pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ratcliffe O, C
V, Dubell AN,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADO63770 standard; protein; 233 AA.
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Sherman BK, Morrison TA, Keddi.
Zhang JZ, Hempel FD, Libby JM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        18-SEP-2002; 2002US-0411837P.
17-DEC-2002; 2002US-0434166P.
24-APR-2003; 2003US-0465809P.
                                                                                                                                                                                                                                                                                                                                                         87.5%;
85.7%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                        6; Conservative
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Riechmann JL, Haake
                                                                                                                                                                                                                                                                                                                                                                                                                                                    104 GGAGDGG 110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2004-330163/30.
N-PSDB; ADO63769.
                                              WPI; 2005-372386/38
                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
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                                                              N-PSDB; AEA26248.
                                                                                                                                                                                                                                                                                                                                                                                                                      1 GGIGDGG
                                                                                                                                                                                                                                                                                                                            Sequence 228 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Oryza sativa.
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                                                                                                                        conditions.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADO63770;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 46
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(MEND-) MENDEL BIOTECHNOLOGY INC.

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The present invention relates to novel plant transcription factor proteins (I) and nucleotide sequences (II) (AD061534-AD063778). The sequences can be used to produce transgenic plants, which overexpress (II), where the transgenic plant has an altered trait as compared to a connertance to the trait selected from increased tolerance to abiotic stress, increased tolerance to cold, increased tolerance to cold, increased tolerance to cold, increased tolerance to heat, increased colerance to cold, increased tolerance to heat, increased tolerance to heat, increased tolerance to low phosphate conditions, increased tolerance to cold, increased tolerance to particularly Expshphe, Twastium and Botryria, cold low phosphate conditions, increased tolerance to low phosphate conditions, increased tolerance to glyphosate, increased sensitivity to ACC, altered ugar sensing, increased resistance to increased sensitivity to ACC, altered ugar sensing, increased tolerance to sugars, altered sensitivity to ACC, altered ugar sensing, increased tolerance to sugars, altered sensitivity to ACC, altered ugar sensing, analy flowering, latered sensitiity, altered development, altered branching pattern, altered branching pattern, altered branching pattern, altered shew morphology, altered vascular tissue structure, reduced apical dominance, altered ctrichome density, altered seed trichome tricked seed colerance to altered sensecence, altered development, altered branching pattern, altered senses energy seaves, altered necrosis patterns, increased colerance of plant size, increased blommas, large seedlings, dwarfed plants, day altered seed colerance of plant size, increased blommas, large seedlings, dwarfed plants, decrea seed colerance of latered seed size, altered seed solerance of latered seed colerance, altered seed size, altered seed solerance, altered seed size, altered seed solerance. Seedlings, altered seed size, altered seed solerance, altered seed size, altered seed singers altered seed solerance. Seedlings, altered seed size, alte
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       seed, increased leaf wax, increased leaf fatty acids, altered seed oil content, altered seed protein content, altered seedprentl content, altered lasf prentl lipid content, increased anthocyanin levels, and decreased anthocyanin levels. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       transcription factor; transgenic plant; agriculture; drought resistance;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Stress tolerant plant-related transcription factor protein SeqID100.
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. 8.6e+02;
. Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               85.7%; Score 35;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AEA26259 standard; protein; 233 AA.
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05-DEC-2003; 2003US-0527658P.
05-FEB-2004; 2004US-0542928P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     12-NOV-2004; 2004WO-US037584.
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Les 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     112 GGAGDGG 118
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 233 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO2005047516-A2
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Matches
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                                                                                                                                                                                                                                                                                                                       New transgenic plants for producing commercially or agriculturally useful plants having improved tolerance to drought, shade and low nitrogen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        This invention relates to a novel plant transcription factor polypeptides, the DNA sequences which encode them and their use in creating transgenic plants. The transgenic plant and methods are useful for producing commercially or agriculturally useful plants having improved tolerance to drought, shade and low nitrogen conditions when compared to wild-type reference plants. The present sequence is that of a plant transcription factor protein which was used during the development of the transgenic plants of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Plant; transgenic; cold tolerance; growth rate; drought tolerance; disease resistance; galactomannan production; plant growth regulator; heat tolerance; herbicide tolerance; lignin production; extreme osmotic condition tolerance; pathogens resistance; pest resistance;
                                                                                                                                             Adam L;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                              Creelman RA, Ratcliffe OJ, Canales RD;
Gutterson NI, Reuber TL, Pineda O;
Keddie JS, Jiang C, Century KS, Adam
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Pred. No. 8.6e+02;
0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 8; SEQ ID NO 100; 407pp; English.
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                                                                                                                                                                             Libby JM;
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28-APR-2003; 2003US-00425115.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      87.5%;
                                                                                 Riechmann JL, (Kumimoto RW, (K. Morrison TA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity 85.7
Les 6; Conservative
                                                                                                                                                                                Hempel FD,
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                                                                                                                                                                                                                                         WPI; 2005-372386/38.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 233 AA;
                                                                                                                                                                                                                                                                     N-PSDB; AEA26258
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                                                                                     Heard JE, Ri
Repetti P, K
Sherman BK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               13-JAN-2005
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                                                                                                                                                                                                                                                                                                                                                                                             conditions.
                                                                                                                                                                                   Zhang JZ,
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Matches
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Tang YT;

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New isolated polynucleotide and encoded polypeptides, useful in diagnostics, forensics, gene mapping, identification of mutations responsible for genetic disorders or other traits and to assess biodiversity.
         31-MAR-2000; 2000US-00540217. 23-AUG-2000; 2000US-00649167.
                                                                                              Drmanac RT, Liu C,
                                                                                                                               WPI; 2001-639362/73.
                                                            (HYSE-) HYSEQ INC.
                                                                                                                                               N-PSDB; AAS77527
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention relates a recombinant DNA construct comprising a polypopulate with any of 5544 amino acid sequences (CDNAs SEQ ID NO: 1-554) and encoding a polypoptide with any of 5544 amino acid sequences (SEQ ID NO: 5545-11088). The CDNAs and proteins are from corn, soybean, Arabidopsis, wheat and rape but the specification does not indicate which equations in a plant form which organism. Also included is a method of producing a plant having an improved property, comprising transforming a plant with a recombinant DNA construct comprising a promoter region (C functional in a plant cell operably joined to a polymorlectide encoding a polypeptide associated with the property, and growing the transformed plant. The property is selected from improving plant cold tolerance, for manipulating growth rate in plant cells by modification of the cell cycle pathway, for improving plant calls by modification of the cell cycle pathway, for improving plant disease, for galactomannan production, for production consists in plants in plants, for increasing the rate of homologous recombination in plants, for ingroving plant tolerance to herbicides, for increasing the rate of homologous recombination in plants, for lignin production, for improving plant tolerance to extreme osmotic conditions, for improving plant tolerance to extreme osmotic conditions, for improvement by modification of carbohydrate, introgen reposphorus use and/or upcake and for yield improvement by providing improved plant growth and for yield improvement by providing improved plant growth and development under at least one stress condition. The polymucleotide may also encode a plant transcription factor. The methods and compositions of the present invention are useful in the field of biochemistry and introgen colourant tolerance to cold or hast improved nitrogen interesting to a plant transcription growth and plants with improved blooding increasing all and plant for cold or head in property all and proved or cold or head in property.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 flow, increasing plant tolerance to cold or heat, improving plant tolerance to extreme osmotic and drought conditions, and improving plant tolerance to plant pests or pathogens. They can also be used in physical arrays of molecules, plant breeding markers, computer-based storage and analysis systems. The present sequence is one of the 5544 plant protein sequences of the invention. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human; chromosome mapping; gene mapping; gene therapy; forensic; food supplement; medical imaging; diagnostic; genetic disorder.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           electronic format directly from USPTO at segdata.uspto.gov/seguence.html?DocID=20040216190.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             87.5%; Score 35; DB 8; I
85.7%; Pred. No. 9.2e+02;
iive 0; Mismatches 1;
                  Claim 2; SEQ ID NO 10469; 14pp; English.
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Best Local Similarity 85.،۰
اتامه 6; Conservative
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The invention relates to isolated polynucleotide (I) and polypeptide (II) sequences. (I) is useful as hybridisation probes, polymerase chain reaction (PCR) primers, oligomers, and for chromosome and gene mapping, and in recombinant production of (II). The polynucleotides are also used in diagnostics as expressed sequence tags for identifying expressed conditions (II) as useful in gene therapy techniques to restore normal cutivity of (II) or to treat disease states involving (II). (II) is activity of (II) or to treat disease states involving (II). (II) is cusful for generating antibodies against it, detecting or quantitating a CC supplement. (II) and its binding partners are useful in medical imaging CC supplement. (III) and its binding partners are useful in medical imaging of sites expressing (II). (I) and (II) are useful in medical imaging of sites expressing (II). (I) and (III) are useful in medical imaging convolving aberrant protein expression or biological activity. The copypeptide and polynucleotide sequences have applications in diagnostics, for genetic disorders or other traits to assess biodiversity and to produce other types of data and products dependent on DNA and amino acid sequences ABGONOTO-A
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85.7%; Pred. No. 1e+03;
ive 0; Mismatches 1; Indels
Claim 20; SEQ ID NO 43699; 103pp; English.
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Best Local Similarity 85.77
Matches 6; Conservative
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27-JUL-1998;
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(GENO-) GENOME THERAPEUTICS CORP.

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Rubenfield MJ, Nolling J, Deloughery C, Bush D;

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WPI; 2003-615309/58.

N-P5DB; ABD14351.

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Novel isolated nucleic acid encoding Pseudomonas aeruginosa polypeptide, useful as molecular targets for diagnostics, prophylaxis and treatment of pathological conditions resulting from bacterial infection.

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Novel isolated nucleic acid encoding pseudomonas aeruginosa polypeptide, prophylaxis and treatment of pathological conditions aeruginosa and the cc polymuclocidese encoding them. The sequences are useful in diagnosis and therapy of pathological conditions, as molecular targets for diagnostics, prophylaxis and treatment of pathological conditions resulting from a cc prophylaxis and treatment of pathological conditions resulting from a cc prophylaxis and treatment of pathological conditions as molecular targets for artibacterial infection, for evaluating a compound, such as a polypeptide, cf for the ability to bind a P. aeruginosa nucleic acid, as components of for the ability to bind a P. aeruginosa atugs, as templates for antibacterial drugs, cincluding anti-P. aeruginosa drugs, as templates for components of production of P. aeruginosa sequences or other sequences or diagnosis and/or treatment of P. aeruginosa sequences or other sequences of peeduance and in detection of P. aeruginosa sequences or other sequences or other sequence data for this patent did not form part of the printed sequence sequence acc sequence data for this patent did not form part of the printed sequence se
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Search completed: February 27, 2006, 09:45:55 Job time : 191 secs

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87.5%; Score 35; DB 7; Length 281; 85.7%; Pred. No. 1e+03; tive 0; Mismatches 1; Indels

Best Local Similarity 85.7 Matches 6; Conservative

Query Match

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14, Appl
3, Appli
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21808, A
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27327, A
25656, A
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25755, A
21574, A
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10158, A
28, Appl
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32373, A
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6, Appli
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US-08-370-476-14
US-08-370-476-14
US-08-656-39-3
US-08-656-29-3
US-08-525-298-3
US-09-248-756A-21808
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US-09-252-991A-2566
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US-09-262-991A-208
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918
     Sequence 20941, A Sequence 24658, A Sequence 15733, A Sequence 8382, Ap Sequence 29526, A Sequence 273169, A Sequence 16071, A Sequence 27411, Ap Sequence 23415, A Sequence 23885, A Sequence 23885, A Sequence 31062, A Sequence 4, Appli
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Biocceleration Ltd
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(cgn2_6/ptodata/1/iaa/H_COMB.pep:*

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US-09-248-796A-24658

US-09-02-540-15733

US-09-252-991A-32661

US-09-252-991A-2252-991A-2252-991A-27369

US-09-252-991A-27369

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US-09-252-991A-27341

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US-09-252-991A-27361

US-09-252-991A-24561

US-09-252-991A-27365

US-08-484-905-4

US-08-484-905-6

US-08-484-905-8

US-08-484-905-8

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US-08-484-905-12

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            GenCore version
Copyright (c) 1993 - 2006
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Maximum Match 100%
Listing first 100 summaries
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Gapop 10.0 , Gapext 0.5
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Sequence 32661, Application US/09252991A
Sequence 32661, Application US/09252991A
Sequence 32661, Application US/09252991A
Sequence 32661, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS;
TITLE OF INVENTION: ARRUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
TITLE OF INVENTION: ARRUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
TITLE OF INTERTION NUMBER: US/09/252,991A
CURRENT APPLICATION NUMBER: US 60/074,788
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 32661
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US-09-489-039A-8382
US-09-489-039A-8382
Sequence 8382, Application US/09489039A
Fatent No. 6610836
GENERAL INFORMATION:
TITLE OF INVENTION: PRECONCE ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFRENCE: 2709-2004001
FURENT APPLICATION NUMBER: US/09/489,039A
CURRENT APPLICATION NUMBER: US 60/117,747
FRIOR APPLICATION NUMBER: US 60/117,747
FRIOR PILING DATE: 1999-01-29
NUMBER OF SEQ ID NOS: 14342
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APPLICANT: Stater, Steven C.
APPLICANT: Wiegand, Roger C.
TITLE OF INVENTION: Mycooccus xanthus Genome Sequences and Uses Thereof
FILE REFERENCE: 38-10(15849)B
CURRENT APPLICATION NUMBER: US/09/902,540
CURRENT APPLICATION NUMBER: 60217,08
PRIOR APPLICATION NUMBER: 60217,883
PRIOR FILING DATE: 2000-07-10
NUMBER OF SEQ ID NOS: 16825
SEQ ID NO 15/33
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Pred. No. 65;
1; Mismatches 0; Indels
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Pred. No. 1.6e+02;
1; Mismatches 0; Indels
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US-09-252-991A-32661
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85.7%;
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85.7%;
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Best Local Similarity 85.,
6, Conservative
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156 GGVGDGG 162
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US-09-252-991A-32661
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APPLICANT: Keith Weinstock et al
TITLE OF INVENTION: NUCLEIC AND THERAPEUTICS
FILE REFERENCE: 107196.132
CURRENT APPLICATION NUMBER: US/09/248,796A
CURRENT FILING DATE: 1999-02-12
PRIOR APPLICATION NUMBER: US 60/074,725
PRIOR APPLICATION NUMBER: US 60/074,725
PRIOR APPLICATION NUMBER: US 60/096,409
PRIOR FILING DATE: 1998-08-13
NUMBER OF SEQ ID NOS: 28208
LENGTH: 200
                                                                                                                                                        Sequence 20941, Application US/09252991A

Patent No. 6551795
GENERAL INCOMPATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: ARRUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
TITLE OF INVENTION: NUMBER: US/09/252,991A
CURRENT APPLICATION NUMBER: US 60/074,788
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-02-18
PRIOR FILING DATE: 1998-02-18
PRIOR FILING DATE: 1998-02-18
PRIOR SEQ ID NOS: 33142
SEQ ID NO 20941
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Pred. No. 56;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-248-796A-24658
; Sequence 24658, Application US/09248796A
; Patent No. 6747137
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US-09-902-540-15733
; Sequence 15733, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
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85.7%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Candida albicans
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Best Local Similarity 85.7
Matches 6; Conservative
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Best Local Similarity
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US-09-252-991A-20941
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Sequence 27369, Application US/09252991A

Patent No. 6551795

GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS TITLE OF INVENTION: ARRUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.136
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR PILING DATE: 1998-02-18
PRIOR PILING DATE: 1998-02-18
PRIOR PILING DATE: 1998-02-18
PRIOR PILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NOS: 33142
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US-09-489-039A-7341
Sequence 7341, Application US/09489039A
Setent No. 6610836
GENERAL INFORMATION:
TITLE OF INVENTION: PREUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
FILLE REFRENCE: 2709.2004001
CURRENT APPLICATION NUMBER: US/09/489,039A
CURRENT FILING DATE: 2000-01-27
PRIOR APPLICATION NUMBER: US 60/117,747
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
APPLICANT: Goldman, Barry S.
APPLICANT: Goldman, Barry S.
APPLICANT: Hinkle, Gregory J.
APPLICANT: Hinkle, Gregory J.
APPLICANT: Wiegand, Roger C.
TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof FILE REFERENCE: 38-10(15849)B
FILE REFERENCE: 38-10(15849)B
CURRENT FILING DATE: 2001-07-10
PRIOR PELICATION NUMBER: 60/217,883
PRIOR FILING DATE: 2000-07-10
NUMBER OF SEQ ID NOS: 16825
SECOND 16071
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Pred. No. 3.8e+02;
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; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-27369
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85.7%;
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Best Local Similarity 85.7
Matches 6; Conservative
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Matches 5; Conserv
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         US-09-252-991A-27369
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US-09-902-540-16071
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APPLICANT:
MATC J. Rubenfield et al.
APPLICANT:
MATC J. Rubenfield et al.
APPLICANT:
MATC J. Rubenfield et al.
TITLE OF INVENTION:
AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
TITLE OF INVENTION:
AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE:
107196.136
CURRENT APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE:
1998-02-18
PRIOR FILING DATE:
1998-02-18
PRIOR FILING DATE:
1998-07-27
NUMBER OF SEQ ID NOS:
33142
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GENERAL INFORMATION:
APPLICANT: Homburge et al.
TITLE OF INVENTION: Modelec acids and proteins of Drosophila melanogaster
FILE REPERENCE: File Reference: 7326-094
CURRENT FILING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 62517
SOFTWARE: PatentIn Ver. 2.0
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                                                              Query Match 87.5%; Score 35; DB 2; Length 142; Best Local Similarity 85.7%; Pred. No. 1.6e+02; Matches 6; Conservative 0; Mismatches 1; Indels
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85.7%; Pred. No. 3.1e+02;
ive 0; Mismatches 1; Indels
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US-09-270-767-45414
                                                                                                                                                                                                                                                                                                             Sequence 29526, Application US/09252991A Patent No. 6551795
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-29526
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-8382
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Matches 6; Conserv
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Matches 6; Conserv
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LENGTH: 281
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LENGTH: 327
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Sequence 31062, Application US/09252991A

Sequence 31062, Application US/09252991A

Patent No. 6551795

GENERAL INFORMATION:
APPLICANT:
Marc J. Rubenfield et al.
APPLICANT:
Marc J. Rubenfield et al.
TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
PRIOR REFERENCE: 107196.136

CURRENT APPLICATION NUMBER: US 60/074,788

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-02-18

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

LENGTH: 535
                                                                                                                                                                                                    GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS TITLE DE INVENTION: ARRUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REPERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NOS: 33142
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Pred. No. 4.6e+02;
0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        , ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-31062
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Pseudomonas aeruginosa
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71.4%;
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Best Local Similarity 85.7.
Lag 6; Conservative
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                       1 GGIGDGG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT ORGANISM:
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APPLICANT: MARC J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS TITLE OF INVENTION: AERGIGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
TITLE OF INVENTION: AERGIGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196-136
CURRENT APPLICATION NUMBER: US 60/074,788
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR APPLICATION NUMBER: US 60/094,190
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 24561
LENGTH: 406
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATE: MAIC J. RUBenfield et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS TITLE OF INVENTION: AREQGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

CURRENT APPLICATION NUMBER: US/09/252,991A

CURRENT FILING DATE: 1999-02-18

PRIOR PAPLICATION NUMBER: US 60/074,788

PRIOR FILING DATE: 1999-02-18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 406;
                                                                                                                                                               Score 35; DB 2; Length 405;
Pred. No. 4.5e+02;
0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     87.5%; Score 35; DB 2; I
85.7%; Pred. No. 4.5e+02;
tive 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION NUMBER: US 60/094,190 PRIOR FILING DATE: 1998-07-27 NUMBER OF SEQ ID NOS: 33142 SEQ ID NO 22415 LENGTH: 416
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 22415, Application US/09252991A Patent No. 6551795 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 24561, Application US/09252991A Patent No. 6551795
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Pseudomonas aeruginosa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Pseudomonas aeruginosa
                                                                                    ; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-7341
                                                                                                                                                                      87.5%;
      1999-01-29
PRIOR FILING DATE: 1999-01-:
NUMBER OF SEQ ID NOS: 14342
SEQ ID NO 7341
LENGTH: 405
                                                                                                                                                               Query Match
Best Local Similarity 85.7'
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
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47 GGAGDGG 53
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Matches 6; Conserv
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US-09-252-991A-24561
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GENERAL INFORMATION:
APPLICANT: Mottez, Estelle
APPLICANT: Abastado, Jean-Pierre
APPLICANT: Courilsky, Phillipe
APPLICANT: Lone, Yu-Chun
APPLICANT: Coicus, David
APPLICANT: Ojcius, David
APPLICANT: Castouge, Armanda
TITLE OF INVENTION: Altered Major Histocompatibility Complex
TITLE OF INVENTION:
NUMBER OF SEQUENCES: 127
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pinnegan, Henderson, Farabow, Garrett &
ADDRESSEE: Dunner
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                85.0%; Score 34; DB 2; Length 10;
85.7%; Pred. No. 18;
ive 0; Mismatches 1; Indels
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/481,985B
FILING DATE: 07-JUN-1995
CLASSIFICATION NUMBER: US 07/801,818
FILING DATE: 05-DEC-1991
CLASSIFICATION DATA:
APPLICATION NUMBER: US 07/801,818
FILING DATE: 05-DEC-1991
CLASSIFICATION: 435
PRIOR APPLICATION: 435
PRIOR APPLICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Meyers, Kenneth J.
REGISTRATION NUMBER: 25,146
REFERENCE/DOCKET NUMBER: 25,146
REFERENCE/DOCKET NUMBER: 203495.0106-04000
TELERDHONE: 202-408-4000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STREET: 1300 I Street, N.W., Suite 700
CITY: Washington
STATE: D.C.
ZIP: 20005-3315
COMPUTER READABLE FORM:
MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC compatible
CORPUTER: IBM PC compatible
CORPUTER: DATE PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATE:
APPLICATION NUMBER: US/08/370,476
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/117,575
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 4, Application US/08370476 Patent No. 6153408
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEFAX: 202-408-4400
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: amino acid
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US-08-370-476-4
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0
APPLICANT: Mottez, Estelle
APPLICANT: Abastado, Jean-Pierre
APPLICANT: Abastado, Jean-Pierre
APPLICANT: Kourilsky, Philippe
TITLE OF INVENTION: An Altered Major Histocompatibility
TITLE OF INVENTION: Complex (MHC) Determinant and Methods for Using the
TITLE OF INVENTION: Determinant
TITLE OF INVENTION: 127
CORRESPONDENCE: 127
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pinnegan, Henderson, Farabow, Garrett & ADDRESSEE: Dunner
STREET: 1300 I Street, N.W., Suite 700
CITY: Washington
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APPLICANT: Mottez, Estelle
APPLICANT: Mottez, Estelle
APPLICANT: Abstado, Jean-Pierre
APPLICANT: Kourilsky, Phillipe
TITLE OF INVENTION: Altered Major Histocompatibility Complex
TITLE OF INVENTION:
NUMBER OF SEQUENCES: 148
CORRESPONDENCE ADDRESS:
ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
ADDRESSEE: Funner
ADDRESSE: Punner
STREET: Mashington
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  85.0%; Score 34; DB 1; Length 10;
85.7%; Pred. No. 18;
tive 0; Mismatches 1; Indels
                                                                                                                                                                                                                         ATTORNEY/AGENT INFORMATION:
NAME: Potter, Jane E. R.
REGISTRAITON NUMBER: 33,332
REFERENCE/DOCKET NUMBER: 03495.0106-03000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-408-4000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 4, Application US/08481985B Patent No. 6011146
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEPHONE: 202-408-4000
TELEFAX: 202-408-4400
INFORMATION FOR SEQ ID NO: 4:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               , MOLECULE TYPE: peptide US-08-484-905-4
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CITY: Wall
STATE: D.C.
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GY: linear
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Sequence 6, Application US/08481985B;
Patent No. 6011146;
GENERAL INFORMATION:
APPLICANT: Mottez, Estelle;
APPLICANT: Abastado, Jean-Pierre
APPLICANT: Abastado, Jean-Pierre
TITLE OF INVENTION:
TITLE OF INVENTION:
MUMBER OF SEQUENCES: 148
CORRESPONDENCE ADDRESS:
ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
ADDRESSEE: Dunner
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
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                                                                                                                                                                                                                                                       Score 34; DB 1; Length 13;
Pred. No. 24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/481,985B
FILING DATE: US/08/481,985B
FILING DATE: US/08/481,985B
FILING DATE: US/08/481,985B
FILING APPLICATION: 435
PRIOR APPLICATION NUMBER: US 07/801,818
FILING DATE: 05-DEC-1991
CLASSIFICATION NUMBER: US 07/801,818
FILING DATE: 15-NOV-1991
CLASSIFICATION NUMBER: US 07/792,473
FILING DATE: 15-NOV-1991
CLASSIFICATION NUMBER: US 07/792,473
FILING DATE: 15-NOV-1991
CLASSIFICATION NUMBER: 25,146
REGISTRATION NUMBER: 25,146
REGISTRATION NUMBER: 25,146
REGISTRATION NUMBER: 20-408-4000
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                             0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE: Dunner
STREET: 1300 I Street, N.W., Suite 700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STATE: D.C.
ZIP: 20005-3315
COMPUTER READABLE FORM:
COMPUTER: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                         85.0%;
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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TELEFAX: 202-408-4400
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 13 aming acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     13 amino acids
                                                                                                                                                                                                                                                                                                             6; Conservative
                                                                                                                                                               ; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-484-905-6
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                                                                                                                                         TYPE: amino acid
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Best Local Similarity
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APPLICANT: Mottez, Estelle
APPLICANT: Mottez, Jean-Pierre
APPLICANT: Abastedo, Jean-Pierre
APPLICANT: Kourilsky, Philippe
TITLE OF INVENTION: An Altered Major Histocompatibility
TITLE OF INVENTION: Determinant and Methods for Using the
TITLE OF INVENTION: Determinant
NUMBER OF SEQUENCES: 127
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSEE: Finnegan, Henderson, Farabow, Garrett & ADDRESSEE: Dunner
STREET: 1300 I Street, N.W., Suite 700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE: FIRMEGAIN, Henderson, Faradow, Carrett ADDRESSEE: Dunner STREET: 1300 I Street, N.W., Suite 700
CITY: Washington
STATE: D.C.
ZIP: 20005-3315
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy Disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS-/MS-DOS
SOGTWARE: BACENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/484,905
FILING DATE: 07-JUNE-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/801,818
FILING DATE: 05-DEC-1991
CLASSIFICATION: 530
PRIOR APPLICATION NUMBER: US 07/792,473
FILING DATE: US-NOV-1991
CLASSIFICATION: MANABER: US 07/792,473
FILING DATE: LS-NOV-1991
CLASSIFICATION: ADDATA:
APPLICATION NUMBER: US 07/792,473
FILING DATE: LS-NOV-1991
CLASSIFICATION: ADDATA:
APPLICATION NUMBER: US 07/792,473
FILING DATE: LS-NOV-1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: Potter, Jane E. R.
REGISTRATION NUMBER: 33,332
REFERENCE/DOCKET NUMBER: 03495.0106-03000
                                                                                                                                                                                                                                   NAME: Meyers, Kenneth J.
REGISTRATION NUMBER: 25,146
REFERENCE/DOCKET NUMBER: 05243.0001-01000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-408-4400
TELEPEAX: 202-408-4400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Mismatches
PILING DATE: 07-SEP-1993
APPLICATION NUMBER: US 08/072,787
FILING DATE: 06-UN-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/801,818
FILING DATE: 05-DEC-1991
PRIOR PAPLICATION DATA:
APPLICATION NUMBER: US 07/792,473
FILING DATE: 15-NOV-1991
ATTORNEY,AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 18
US-08-484-905-6
Sequence 6, Application US/08484905
; Patent No. 5976551
                                                                                                                                                                                                                                                                                                                                                                               INFORMATION FOR SEQ ID NO: 4: SEQUENCE CHARACTERISTICS: LENGTH: 10 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity 85.7
Matches 6, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
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GENERAL INCRAMITION:

APPLICANT: Mostes, Estelle
APPLICANT: Absitado, Jean-Pierre
APPLICANT: Absitado, Jean-Pierre
APPLICANT: Absitado, Jean-Pierre
APPLICANT: Routilaky, Anilippe
TITLE OF INVENTION: Complex(MHC) Determinant and Methods for Using the
TITLE OF INVENTION: Complex(MHC) Determinant and Methods for Using the
TITLE OF INVENTION: Complex(MHC) Determinant and Methods for Using the
TITLE OF INVENTION: Complex (MHC)
TITLE OF INVENTION: Determinant
ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
STREET: 1300 I Street, N.W., Suite 700
CITY: Washington
STREET: 1300 I Street, N.W., Suite 700
CITY: Washington
STREET: 1000-3315
COMPUTER: Inh PC Compatible
COMPUTER: Inh PC Compatible
COMPUTER: Inh PC Compatible
COMPUTER: Batenin Release #1.0, Version #1.25
COMPUTER: Batenin Release #1.0, Version #1.25
COMPUTER: Batenin Release #1.0, Version #1.25
COMPUTER: DO-JUNE 1995
SOFTWARE: PAPLICATION NUMBER: US 07/991,413
FILING DATE: 10-NV-1991
CLASSIFICATION NUMBER: US 07/792,473
FILING DATE: 11-NV-1991
CLASSIFICATION NUMBER: 333,332
REGISTRATION NUMBER: 330,332
REGISTRATION NUMBER: 330,332
REGISTRATION NUMBER: 330-408-400
TELEFRAX: 202-408-400
INPORMATION POR ENG ID NO: 8:
SUGNEMATION ACRES FOR ENG ID NO: 8:
FIREFAX: 202-408-400
INPORMATION POR ENG ID NO: 8:
FREENCH - IS Amiton acids
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Patent No. 6011146
GENERAL INFORMATION:
APPLICANT: Abstado, Jean-Pierre
APPLICANT: Abstado, Jean-Pierre
APPLICANT: Acurilsky, Phillipe
APPLICANT: Kourilsky, Phillipe
TITLE OF INVENTION:
NUMBER OF SEQUENCES: 148
CORRESPONDENCE ADDRESS:
ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   85.0%; Score 34; DB 1; Length 15; 85.7%; Pred. No. 27; 1; Indels iive 0; Mismatches 1; Indels
Sequence 8, Application US/08484905
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 GGIGDGG 7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-08-481-985B-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-08-484-905-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 22
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                                                                                                                                                                                                      Sequence 6, Application US/08370476

Patent No. 6153408

GENERAL INFORMATION

GENERAL INFORMATION

APPLICANT: Mosteado, Jean-Pierre

APPLICANT: Carrilsky, Phillipe

APPLICANT: Lone, Yu-David

APPLICANT: Carcouge, Armanda

TITLE OF INVENTION: Altered Major Histocompatibility Complex

TITLE OF INVENTION: Altered Major Histocompatibility Complex

TITLE OF INVENTION: Altered Major Histocompatibility Complex

CORRESPONDENCE 127

CORRESPONDENCE PINDERS:

ADDRESSEE: Pinnegan, Henderson, Farabow, Garrett & Complex

CORRESPONDENCE PINNESS:

ADDRESSEE: Dunner
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   .
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Pred. No. 24;
0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/370,476
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION: 435

PRIOR APPLICATION: 435

FILING DATE: 07-SEP-1933

APPLICATION NUMBER: US 08/072,787

FILING DATE: 07-SEP-1933

PRIOR APPLICATION NUMBER: US 07/801,818

FILING DATE: 05-DEC-1991

PRIOR APPLICATION NUMBER: US 07/792,473

FILING DATE: 15-NOV-1991

APPLICATION NUMBER: US 07/792,473

FILING DATE: 15-NOV-1991

ATTORNEY/AGENT INFORMATION:

NAME: Meyers, Kenneth J.

REGISTRENCY DOCKET NUMBER: 25,146

REGISTRENCY DOCKET NUMBER: 20,2466

TELEFRAM: 202-408-4400

TELEPAM: 202-408-4100

TELEPAM: 202-408-4100

TELEPAM: 202-408-4100

TELEPAM: 202-408-4100

TELEPAM: 202-408-4100

TELEPAM: 202-408-4100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSEE: Dunner
STREET: 1300 I Street, N.W., Suite 700
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CITY: Washington
STATE: D.C.
ZIP: 20005-3315
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         85.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             amino acid
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Best Local Similarity
                          GGIGDGG 7
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Dunner

ADDRESSEE:

US-08-484-905-8

RESULT 21

Matches

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APPLICATION NUMBER: US/08/484,905
FILING DATE: 07-JUNE-1995
CLASSIPICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/801,818
FILING DATE: 05-DEC-1991
CLASSIPICATION 530
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 07/792,473
APPLICATION NUMBER: US/08/370,476
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 15 amino acids
TYPE: amino acid
STRANDEDNESS: double
                                                                                                                                                                                                                                                                                                                                                                                                                        TELEPHONE: 202-408-400
TELEFAX: 202-408-4400
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              6, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best_Local Similarity
Matches 6; Conserv
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US-08-484-905-12
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APPLICANT: Abastado, Jean-Pierre
APPLICANT: Kourilsky, Phillipe
APPLICANT: Lone, Yu-Chun
APPLICANT: Lone, Yu-Chun
APPLICANT: Casrouge, Armanda
TITLE OF INVENTION:
APPLICANT: Casrouge, Armanda
TITLE OF INVENTION:
NUMBER OF SEQUENCES:
ADDRESSER: Finnegan, Henderson, Farabow, Garrett & ADDRESSEE: Dunner
STREET: 1300 I Street, N.W., Suite 700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     .;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1; Indels
                                                      SITE: 20.05-3315
COMPUTER READABLE FORM:
MEDLUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/481,985B
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION NUMBER: US 07/801,818
FILING DATE: 05-DEC-1991
CLASSIFICATION NUMBER: US 07/801,818
FILING DATE: 05-DEC-1991
CLASSIFICATION NUMBER: US 07/801,818
FILING DATE: 15-NOV-1991
CLASSIFICATION NUMBER: 435
ATIONNEY/AGNIT INFORMATION:
APPLICATION NUMBER: 435
ATIONNEY/AGNIT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STATE: D.C.
STATE: D.C.
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: Meyers, Kenneth J.
REGISTRATION NUMBER: 25,146
REFERENCE, DOCKET NUMBER: 03495.0106-04000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-408-4000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Mismatches
1300 I Street, N.W., Suite 700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 8, Application US/08370476
Patent No. 6153408
GENERAL INFORMATION:
APPLICANT: Mottez, Estelle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: 202-408-4400
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                double
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: peptide US-08-481-9858-8
                      Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: amino acid
STRANDEDNESS: do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 GGIGDGG 7
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GGIGSGG 7
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US-08-370-476-8
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Sequence 12, Application US/08484905
Patent No. 5976551
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Mottez, Estelle
APPLICANT: Abastado, Jean-Pierre
APPLICANT: Abastado, Jean-Pierre
APPLICANT: Kourlisky, Philippe
TITLE OF INVENTION: Complex (MHC) Determinant and Methods for Using the
TITLE OF INVENTION: Determinant
NUMBER OF SEQUENCES: 127
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              85.0%; Score 34; DB 2; Length 15; 85.7%; Pred. No. 27;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: Finnegan, Henderson, Farabow, Garrett & ADDRESSEE: Dunner
STREET: 1300 I Street, N.W., Suite 700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CITY: Washington
STATE: D.C.
STATE: D.C.
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy Disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS-/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                               NAME: Meyers, Kenneth J.
REGISTRATION NUMBER: 25,146
REPERENCE DOCKET NUMBER: 05243.0001-01000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-408-4000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Mismatches
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/117,575
FILING DATE: 06-010N-1993
PRIOR APPLICATION NUMBER: US 08/072,787
FILING DATE: 06-01N-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/801,818
FILING DATE: 15-07-021
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/792,473
FILING DATE: 15-07-1991
ATTORNEY/AGENT INFORMATION:
NAME: MEYER KENNECH J.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
APPLICANT: Mottez, Estelle
APPLICANT: Mostado, Jean-Pierre
APPLICANT: Kourilsky, Phillipe
APPLICANT: Lone, Yu-Chun
APPLICANT: Ojcius, David
APPLICANT: Casrouge, Armanda
TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                 Score 34; DB 2; Length 19;
Pred. No. 34;
0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  85.0%; Score 34; DB 2; Length 19; 85.7%; Pred. No. 34; 1; Indels ive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET: 1300 I Street, N.W., Suite 700
CITY: Washington
SIATE: DOC.
ZIP: 20005-3315
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PAtentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/370,476
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES: 127
CORRESPONDENCE ADDRESS:
ADDRESSEE: Finnegan, Henderson, Farabow, Garrett
ADDRESSEE: Dunner
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REGISTRATION NUMBER: 25,146
REFERENCE/DOCKET NUMBER: 05243.0001-01000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-408-4000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION: 435
CLASSIFICATION: 435
PRIOR APPLICATION NUMBER: US 08/117,575
FILING DATE: 07-SEP-193
APPLICATION NUMBER: US 08/072,787
FILING DATE: 06-UN-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/801,818
FILING DATE: 05-DEC-1991
PROR APPLICATION NUMBER: US 07/792,473
FILING DATE: 15-NOV-1991
ATTORNEY/AGENT INFORMATION:
NAME: MEYER'S KENNETH J.
                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 12, Application US/08370476
Patent No. 6153408
                                                                                                    85.0%;
85.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           INFORMATION FOR SEQ ID NO: 12
INFORMATION FOR SEQ ID NO: 12
SEQUENCE CHARACTERISTICS:
7. RNGTH: 19 amino acids
                                                                                                 Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 85.0
Best Local Similarity 85.7
Matches 6; Conservative
                 ; MOLECULE TYPE: peptide US-08-481-985B-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE: peptide
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GY: linear
                                                                                                                                                                                                                 1 GGIGDGG 7
                                                                                                                                                                                                                                                                      1 GGIGSGG 7
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Patent No. 6011146
GENERAL INFORMATION:
APPLICANT: Mottez, Estelle
APPLICANT: Abastado, Jean-Pierre
APPLICANT: Kourilsky, Phillipe
TITLE OF INVENTION: Altered Major Histocompatibility Complex
TITLE OF INVENTION:
NUMBER OF SEQUENCES: 148
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 34; DB 1; Length 19;
Pred. No. 34;
0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE: FILINGGIL, HenderBon, Faradow, Garrett & ADDRESSEE: FILINGGIL, HenderBon, Faradow, Garrett & STREET: 1300 I Street, N.W., Suite 700
CITY: Washington
STATE: D.C.
ZIP: D.C.
ZIP: 20005-3315
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: BACHCILIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/481,985B
FILING DATE: 07-UN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/92,473
FILING DATE: 10-DOV-1991
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/792,473
FILING DATE: 1-NOV-1991
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: MAYERS: KENNEH, J.
REGISTRATION NUMBER: 25,146
REFERENCE/DOCKET NUMBER: 25,146
REGISTRATION NUMBER: 
FILING DATE: 15-NOV-1991
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: POELER, Jane E. R.
REGISTRATION NUMBER: 33,332
REFERENCE/POCKET NUMBER: 03495.0106-03000
TELEPHONE: 202-408-4000
TELEPHONE: 202-408-4000
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 aming acids
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INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
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Best Local Similarity 85.7
Matches 6; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                     ; MOLECULE TYPE: peptide US-08-484-905-12
                                                                                                                                                                                                                                                                                                                                                amino acid
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TOPOLOGY: linear
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ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY:
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Altered Major Histocompatibility Complex
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85.7%; Pred. No. 37;
ive 0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/481,985B
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/801,818
FILING DATE: 05-DEC-1991
CLASSIFICATION NUMBER: US 07/801,818
FILING DATE: 05-DEC-1991
CLASSIFICATION NUMBER: US 07/792,473
FILING DATE: 15-NOV-1991
CLASSIFICATION NUMBER: 25,146
REGISTRATION NUMBER: 202-408-4000
TELEFERAX: 202-408-4000
                                                                               ADDRESSEE: Finnegan, Henderson, Farabow, Garrett ADDRESSEE: Dunner STREET: 1300 I Street, N.W., Suite 700 CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1300 I Street, N.W., Suite 700
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APPLICANT: Koutilsky, Phillipe
APPLICANT: Lone, Yu-Chun
APPLICANT: Ojcius, David
APPLICANT: Casrouge, Armanda
TITLE OF INVENTION: Altered Major I
                                                                                                                                                                                            STATE: D.C.
ZIP: 20005-3315
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 14, Application US/08370476 Patent No. 6153408
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mottez, Estelle
                          NUMBER OF SEQUENCES: 148
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX: 202-408-4400
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 85...
6; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Dunner
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CITY: Washington
STATE: D.C.
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FITLE OF INVENTION:
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APPLICANT: Mottez
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US-08-370-476-14
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                                                                                                                                                           Sequence 14, Application US/08484905
Sequence 14, Application US/08484905
Patent No. 5976551
GENERAL INFORMATION:
APPLICANT: Mottez, Estelle
APPLICANT: Abactado, Jean-Pierre
APPLICANT: Abactado, Jean-Pierre
APPLICANT: Mottez, Philippe
TITLE OF INVENTION: Complex(MHC) Determinant and Methods for Using the TITLE OF INVENTION: Determinant
NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
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% Sequence 14, Application US/08481985B
% Sequence 15. Sequence 16. Application US/08481985B
% GENERAL INFORMATION:
% APPLICANT: Mottez, Estelle
% APPLICANT: Absastado, Jean-Pierre
% APPLICANT: Kourilafy, Phillipe
% APPLICANT: All Applicant Altered Major Histocompatibility Complex
TITLE OF INVENTION: Altered Major Histocompatibility
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 34; DB 1; Length 21; Pred. No. 37;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE: Finnegan, Henderson, Farabow, Garrett & ADDRESSEE: Dunner
STREET: 1300 I Street, N.W., Suite 700
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OPERATING SYSTEM: PC-DOS-/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/484,905
FILING DATE: 07-JUNE-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/801,818
FILING DATE: 05-DEC-1991
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/792,473
FILING DATE: 1-NOV-1991
CLASSIFICATION: 530
ATYONEY/AGENT INFORMATION:
NAME: POCLET, Jane E. R.
REGISTRATION NUMBER: 33,332
REGISTRATION NUMBER: 33,332
REGISTRATION NUMBER: 33,332
REJERENCE/DOCKET NUMBER: 03495.0106-03000
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION TELECOMMUNICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STATE: D.C.
ZIP: 20005-3315
COMPUTER REDABLE FORM:
MEDIUM TYPE: Floppy Disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS-/MS-DOS
SOFTWARE: PAREALIN Release #1.0, Ve
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: 202-408-4400
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 21 amino acids
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: amino acid
TOPOLOGY: linear
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Best Local Similarity
Matches 6; Conserv
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1 GGIGSGG 7
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US-08-535-298-3
; Sequence 3, Application US/08535298
; Patent No. 5861477
; GENERAL INFORMATION:
    APPLICANT: Atassi, Zouhair
    TITLE OF INVENTION: Catalysts
    NUMBER OF SEQUENCES: 13
    NUMBER OF SEQUENCES: 13
    NUMBER OF SEQUENCES: ADDRESSEE C. Steven McDaniel;
    STRET: 60 OF Travis Street, Suite 1850
    CITY: Houston ADDRESSE: C. Steven McDaniel;
    STREE: Taxas
    COMPUTRY: USC Compatible
    COMPUTRY: ISP PC COMPATION:
    MEDIUM TYPE: RIAPORY disk
    COMPUTRY: 1990
    CURRENT APPLICATION DATA:
    APPLICATION NUMBER: US/08/535,298
    FILING DATE: 19-41ME-1996
    CLASSIFICATION: 435
    ATTORNEY/AGENT INFORMATION:
    NAME: C. Steven McDaniel
    REGISTRATION NUMBER: 13,962
    RESERBENCE/DOCKET NUMBER: 13,962
    RESERBENCE/DOCKET NUMBER: 13,962
    RESERBENCE/DOCKET NUMBER: 13,963
    RELEPAX: 713/238-8000
    TELLEPAX: 713/238-8000
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0
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                                  TELECOMMUNICATION INFORMATION:
TELEPHONE: 713/621-5325
TELEPAX: 713/651-4346
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acids
TYPE: amino acids
                                                                                                                                                                                     TYPE: amino acid
TOPOLOGY: circular
MOLECULE TYPE: protein
HYPOTHETICAL: NO
FRAGMENT TYPE: not applicable
US-08-461-597-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; TOPOLOGY: circular
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; FRAGMENT TYPE: not applicable
US-08-535-298-3
               REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
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Best Local Similarity
Matches 6; Conserv
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Best Local Similarity
Matches 6; Conserv
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Pred. No. 37;
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; Sequence 3, Application US/08461597
; Patent No. 5759834
; GENERAL INFORMATION:
    TITLE OF INVENTION: Synthetic Sterically-Constrained
    TITLE OF INVENTION: Catalysts
    NUMBER OF SEQUENCES: 8
    CORRESPONDENCE ADDRESS:
    ADDRESSEE: Thomas D. Paul;
    STREET: 1301 McKinney, Suite 5100
CITY: Houston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1; Indels
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COUNTRY: USA

ZIP: 77010-3095

COMPUTER READBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/461,597
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/370,476
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: Meyers, Kenneth J.
REGISTRATION NUMBER: 25,146
REFERENCE/DOCKET NUMBER: 05243.0001-01000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-408-4000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Mismatches
                                                                                                                         FILING DATE:
CLASSIFICATION: 435
FRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/117,575
FILING DATE: 07-SEP-193
APPLICATION NUMBER: US 08/02,787
FILING DATE: 06-UNY-193
APPLICATION NUMBER: US 07/801,818
FRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/801,818
FILING DATE: 05-DEC-1991
FILING DATE: 15-NOV-1991
FILING DATE: 15-NOV-1991
ATTORNEY, AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/063,640
FILING DATE: 18-MAY-1993
ATTORNEY/AGENT INFORMATION:
NAME: Paul, Thomas D.
REGISTRATION NUMBER: 32,714
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELECOMPING: 202-400
TELEPRONE: 202-400
INFORMATION FOR SEC ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 21 amino acids
TYPE: amino acid
TYPE: amino acid
TYPE: amino acid
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85.7%;
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CLASSIFICATION: 435
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Best Local Similarity
Matches 6; Conserv
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1 GGIGSGG 7
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RESULT 34
US-09-248-796A-21808

; Sequence 21808, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
    TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN; FILE DE INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
    TITLE OF INVENTION: WORDER: US 60/094,796A
    CURRENT APPLICATION NUMBER: US 60/074,725
    PRIOR FILING DATE: 1998-02-13
    PRIOR PILING DATE: 1998-02-13
    PRIOR FILING DATE: 1998-08-13
    NUMBER: OF SEQ ID NOS: 28208
    SEQ ID NO 21808
    LENGTH: 170
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; IOCATION: (12) ; OTHER INFORMATION: Identity of amino acid sequences at the above locations are unknows.08-09-248-7968-21808
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Patent No. 6703491

GENERAL INFORMATION:

TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster;

TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster;

FILE REFERENCE: File Reference: 7326-094

CURRENT APPLICATION NUMBER: US/09/270,767

CURRENT FILING DATE: 1999-03-17

NUMBER OF SEQ ID NOS: 62517

SOFTWARE: PATENTIN VOI. 2.0
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85.7%; Pred. No. 4.1e+02;
iive 0; Mismatches 1; Indels
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US-09-498-520A-12
; Sequence 12, Application US/09498520A
; Patent No. 6613553
; GENERAL INFORMATION:
; APPLICANT: Rock, Charles O
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Drosophila melanogaster
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: Candida albicans
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                6; Conservative
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Matches 5; Conservative
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Best Local Similarity
Matches 6; Conserv
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18 GGIGDG 23
GGIGDG 6
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US-09-270-767-42925
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LENGTH: 256
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION NUMBER: PCT/US94/05569
FILING DATE: 18-MAY-1994
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                                                                                                                              TITLE OF INVENTION: Synthetic Sterically-Constrained TITLE OF INVENTION: Catalysts NUMBER OF SEQUENCES: 6 COMPUTER READABLE FORM: 6 COMPUTER READABLE FORM: COMPUTER: IBM FC Compatible OPERATING SYSTEM: PC-DOS/MS-DOS COFFATING SYSTEM: PC-DOS/MS-DOS CURRENT APPLICATION DATA: APPLICATION NATH. PCT/US94/05569A FILING DATE: 18-MAY-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       85.0%; Score 34; DB 4; Length 37; 100.0%; Pred. No. 64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 85.0%; Score 34; DB 4; Length 37; Best Local Similarity 100.0%; Pred. No. 64; Matches 6; Conservative 0; Mismatches 0; Indels
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/063,640
FILING DATE: 18-MAY-1993
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/063,640
                                                            Sequence 3, Application PC/TUS9405569A GENERAL INFORMATION:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 3, Application PC/TUS9405569 GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acids
TYPE: amino acid
TOPOLOGY: circular
MOLECULE TYPE: protein
HYPOTHETICAL: NO
FRAGMENT TYPE: not applical
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            37 amino acids
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Matches 6; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE:
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                                              PCT-US94-05569A-3
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Matches

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Sequence 10, Application US/09498520A
Patent No. 661353
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Roack, Charles O
APPLICANT: Heath, Richard J
TITLE OF INVENTION: No. 66135331 Enoyl Reductases and Methods of Use Thereof
FILE REPERENCE: SJ-002.
CURRENT APPLICATION NUMBER: US/09/498,520A
CURRENT FILING DATE: 2000-02-04
NUMBER OF SEQ ID NOS: 62
SOFTWARE: PatentIn version 3.1
SEQ ID NO 10
LENGTH: 332
APPLICANT: Heath, Richard J
TITLE OF INVENTION: No. 6613553el Enoyl Reductases and Methods of Use Thereof
FILE RERERBENCE: SJ-0022
CURRENT APPLICATION NUMBER: US/09/498,520A
CURRENT FILING DATE: 2000-02-04
NUMBER OF SEQ ID NOS: 62
SOFTWARE: PatentIn version 3.1
SEQ ID NO 12
LENGTH: 310
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Patent No. 6617156
GENERAL INFORMATION:
APPLICANT: Lynn Doucette-Stamm et al
TITLE OF INVENTION: BNTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 032796-032
CURRENT FILING DATE: 1998-08-13
PRIOR APPLICATION NUMBER: US 60/055,778
PRIOR FILING DATE: 1997-08-15
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                                                                                                                                                                                                                                                                             Length 310;
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100.0%; Pred. No. 5.2e+02;
.ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                       85.0%; Score 34; DB 2; L/
100.0%; Pred. No. 4.9e+02;
live 0; Mismatches 0;
                                                                                                                                                                                      TYPE: PRT ; ORGANISM: Clostridium acetobutylicum US-09-498-520A-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT ORGANISM: Enterococcus faecalis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Enterococcus faecalis
US-09-134-000C-4988
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SOFTWARE: Patentin version 3.1
SEQ ID NO 4988
LENGTH: 332
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Best Local Similarity 100.0
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Best Local Similarity
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US-09-134-000C-4988
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Sequence 2556 Application US/09252991A

Patent No. 655195

GENERAL INFORMATION:

APPLICANT: Marc J. Rubenfield et al.

APPLICANT: Marc J. Rubenfield et al.

TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

CURRENT APPLICATION NUMBER: US/09/252,991A

CURRENT FILING DATE: 1999-02-18

PRIOR FILING DATE: 1998-02-18

PRIOR FILING DATE: 1998-07-27

PRIOR FILING DATE: 1998-07-27

SEQ ID NOS: 33142

SEQ ID NOS: 5565
                                                                                                                                                                             GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS TITLE OF INVENTION: AREUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US 60/074,788
PRIOR PILING DATE: 1999-02-18
PRIOR FILING DATE: 1999-02-18
PRIOR FILING DATE: 1999-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 27327
LENGTH: 341
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100.0%; Pred. No. 5.4e+02;
iive 0; Mismatches 0; Indels
                                                                                                                                            Sequence 27327, Application US/09252991A Patent No. 6551795
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; Patent No. 6420526
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-27327
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ORGANISM: Pseudomonas aeruginosa
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Best Local Similarity 71.4.
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Best Local Similarity 100.
Matches 6; Conservative
                                     183 GGIGDG 188
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US-09-252-991A-27327
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US-09-149-476-751
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APPLICANT: Rosen et al.
TITLE OF INVENTION: 186 Human Secreted proteins
FILE REFERENCE: PZ002P1
                                                            CURRENT PEDLICATION NUMBER: US/09/149,476
CURRENT FILING DATE: 1998-09-08
EARLIER APPLICATION NUMBER: PCT/US98/04493
EARLIER FILING DATE: 1998-03-06
EARLIER FILING DATE: 1997-03-07
EARLIER PEDLICATION NUMBER: 60/040,162
EARLIER APPLICATION NUMBER: 60/040,333
EARLIER FILING DATE: 1997-03-07
                                                                                                                                                                                                                                                                                                           R APPLICATION NUMBER: 60/047, 617
R FILING DATE: 1997-05-23
R APPLICATION NUMBER: 60/047, 618
R FILING DATE: 1997-05-23
R APPLICATION NUMBER: 60/047, 503
R FILING DATE: 1997-05-23
R PELING DATE: 1997-05-23
R FILING DATE: 1997-05-23
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R PILING DATE: 1997-05-23
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FILING DATE: 1997-05-23
APPLICATION NUMBER: 60/047,598
ELING DATE: 1997-05-23
APPLICATION NUMBER: 60/047,613
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APPLICATION NUMBER: 60/047,612
FILING DATE: 1997-05-23
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FILING DATE: 1997-05-23
APPLICATION NUMBER: 60/047,601
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APPLICATION NUMBER: 60/043,580
FILING DATE: 1997-04-11
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FILING DATE: 1997-04-11
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FILING DATE: 1997-04-11
APPLICATION NUMBER: 60/043,569
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APPLICATION NUMBER: 60/047,582
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APPLICATION NUMBER: 60/047,596
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APPLICATION NUMBER: 60/047,584
FILING DATE: 1997-05-23
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FILING DATE: 1997-05-23
GENERAL INFORMATION:
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R APPLICATION NUMBER: 60/056,879
R FILING DATE: 1997-08-22
R APPLICATION NUMBER: 60/056,880
R FILING DATE: 1997-08-22
R APPLICATION NUMBER: 60/056,894
R FILING DATE: 1997-08-22
R APPLICATION NUMBER: 60/056,911
R PILING DATE: 1997-08-22 R APPLICATION NUMBER: 60/048,974
R FILING DATE: 1997-04-11
R APPLICATION NUMBER: 60/048,974
R FILING DATE: 1997-06-66
R PILING DATE: 1997-08-22
R APPLICATION NUMBER: 60/056,886
R PILING DATE: 1997-08-22
R APPLICATION NUMBER: 60/056,899
R FILING DATE: 1997-08-22
R APPLICATION NUMBER: 60/056,893
R FILING DATE: 1997-08-22
R PELLING DATE: 1997-08-22
R PELLING DATE: 1997-08-22
R PELLING DATE: 1997-08-22
R PELLING DATE: 1997-08-22 R FILING DATE: 1997-08-22

R APPLICATION NUMBER: 60/056,878

R FILING DATE: 1997-08-22

R APPLICATION NUMBER: 60/056,662

R APPLICATION NUMBER: 60/056,872

R APPLICATION NUMBER: 60/056,872

R APPLICATION NUMBER: 60/056,872 APPLICATION NUMBER: 60/047,595 FILING DATE: 1997-05-23 APPLICATION NUMBER: 60/047,599 FILING DATE: 1997-05-23 APPLICATION NUMBER: 60/047,588 FILING DATE: 1997-05-23 APPLICATION NUMBER: 60/056,903 FILING DATE: 1997-08-22 APPLICATION NUMBER: 60/056,888 APPLICATION NUMBER: 60/056,636 FILING DATE: 1997-08-22 PPLICATION NUMBER: 60/056,874 ILING DATE: 1997-08-22 APPLICATION NUMBER: 60/056,910 APPLICATION NUMBER: 60/056,631 FILING DATE: 1997-08-22 APPLICATION NUMBER: 60/056,845 APPLICATION NUMBER: 60/056,892 FILING DATE: 1997-08-22 APPLICATION NUMBER: 60/057,761 FILING DATE: 1997-08-22 APPLICATION NUMBER: 60/056,882 FILING DATE: 1997-08-22 APPLICATION NUMBER: 60/056,637 FILING DATE: 1997-08-22 APPLICATION NUMBER: 60/056,864 APPLICATION NUMBER: 60/043,669 FILING DATE: 1997-04-11 FILING DATE: 1997-04-11 APPLICATION NUMBER: 60/043,315 FILING DATE: 1997-04-11 APPLICATION NUMBER: 60/043,674 APPLICATION NUMBER: 60/043,312 APPLICATION NUMBER: 60/043,313 APPLICATION NUMBER: 60/043,672 APPLICATION NUMBER: 60/043,671 FILING DATE: 1997-08-22 FILING DATE: 1997-08-22 LING DATE: 1997-08-22 LING DATE: 1997-08-22 1997-04-11 FILING DATE: 1997-04-11 1997-04-1 1997-04-1 FILING DATE: LING DATE: EARLIER F
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Sequence 26584, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: ASRUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
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TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPBUTICS
FILE REPERENCE: 2709.2004001
CURRENT APPLICATION NUMBER: US/09/489,039A
CURRENT FILING DATE: 2000-01-27
PRIOR APPLICATION NUMBER: US 60/117,747
PRIOR PLINIG DATE: 1999-01-29
NUMBER OF SEQ ID NOS: 14342
SEQ ID NO 9961
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                                                                                                                                                                                                                                                                                                             Length 434;
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71.4%; Pred. No. 6.8e+02;
ive 2; Mismatches 0; Indels
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CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
FRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
SEQ ID NO 26584
     US 60/074,788
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Patent No. 6610836
GENERAL INFORMATION:
APPLICANT: Gary Breton et. al
                                                                                                                                                                                           ; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-29256
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
PRIOR APPLICATION NUMBER: US 60/
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 29256
LENGTH: 434
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; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-9961
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Best Local Similarity 71.4
Matches 5; Conservative
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254 GGLGEGG 260
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Best Local Similarity
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US-09-489-039A-9961
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Patent No. 6551795
GENERAL INFORMATION:
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.118
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
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           EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,586
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,586
EARLIER APPLICATION NUMBER: 60/047,590
EARLIER FILING DATE: 1997-05-23
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,589
EARLIER APPLICATION NUMBER: 60/047,589
EARLIER APPLICATION NUMBER: 60/047,593
EARLIER FILING DATE: 1997-05-23
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,614
EARLIER APPLICATION NUMBER: 60/047,614
EARLIER PILING DATE: 1997-04-11
EARLIER FILING DATE: 1997-04-11
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EARLIER PILING DATE: 1997-08-22
EARLIER PILING DATE: 1997-06-06
EARLIER FILING DATE: 1997-06-06
EARLIER FILING DATE: 1997-06-05
EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/056,884
EARLIER APPLICATION NUMBER: 60/056,689
EARLIER APPLICATION NUMBER: 60/057,669
EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/057,669
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EARLIER FILING DATE: 1997-04-11
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/043,670
EARLIER FILING DATE: 1997-04-11
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,632
EARLIER APPLICATION NUMBER: 60/056,644
EARLIER FILING DATE: 1997-08-22
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,644
EARLIER APPLICATION NUMBER: 60/056,644
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EARLIER APPLICATION NUMBER: 60/056,875
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,862
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FILING DATE: 1997-08-22
APPLICATION NUMBER: 60/056,908
FILING DATE: 1997-08-22
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EARLIER APPLICATION NUMBER: 60/061,060
EARLIER FILING DATE: 1997-10-02
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APPLICATION NUMBER: 60/056,876
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EARLIER APPLICATION NUMBER: 60/056,881
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EARLIER APPLICATION NUMBER: 60/056,909
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Best Local Similarity 85.7
Matches 6; Conservative
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195 GNIGDGG 201
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Sequence 6786, Application US/09949016

Sequence 6786, Application US/09949016

Batent No. 6812339

GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CLOO1307

CURRENT APPLICATION NUMBER: 00/241,755
PRIOR FILING DATE: 2000-04-14

PRIOR FILING DATE: 2000-10-03

PRIOR FILING DATE: 2000-10-03

PRIOR FILING DATE: 2000-10-03

PRIOR FILING DATE: 2000-09-08

NUMBER OF SEQ ID NOS: 207012

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 6786

LENGTH: 806
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APPLICANT: Marc J. Rubenfield et al.
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS TITLE OF INVENTION: AERGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REPERENCE: 107196.136
CURRENT APPLICATION NUMBER: US 60/074,788
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR PILING DATE: 1999-02-18
PRIOR PLILING DATE: 1999-02-18
PRIOR PILING DATE: 1999-07-17
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85.7%; Pred. No. 1.2e+03;
ive 0; Mismatches 1; Indels
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; Patent No. 6551795
                   NAME: Ching, Edwin P.
REGISTRATION NUMBER: 34,090
REFERENCE/DOCKET NUMBER: DX064
TELECOMUNICATION INFORMATION:
TELEPHONE: (650)852-9196
TELEFAX: (650)496-1200
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 806 amino acids
TYPE: amino acid
ATTORNEY/AGENT INFORMATION:
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Best Local Similarity 85.7
Matches 6; Conservative
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Matches 6; Conservative
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MOLECULE TYPE: protein
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US-09-252-991A-24163
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APPLICANT: VENTER, J. Craig et al.
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF;
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF;
TITLE OF INVENTION: WIMBER: US/09/949,016
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR FILING DATE: 2000-10-03
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FSESEEQ for Windows Version 4.0
SEQ ID NO 7243
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Patent No. 6274312
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Sequezi, Wolfgang
APPLICANT: Sequezi, Wolfgang
APPLICANT: Lees, Emma M.
APPLICANT: Lees, Emma M.
TITLE OF INVENTION: Intracellular Regulatory Molecules;
TITLE OF INVENTION: Related Reagents
TITLE OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            85.0%; Score 34; DB 2; Length 693; 85.7%; Pred. No. 1.1e+03;
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MEDIUM TYPE: Floppy disk
COMPUTER: Eloppy disk
COMPUTER: Eloppy disk
COMPUTER: Elb PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/999,774A
FILING DATE: 10-DEC-1997
CLASSIFICATION DATA:
PROPLICATION NUMBER: US 60/032,818
FILING DATE: 11-DEC-1996
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       0; Mismatches
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                                                                                                                                                                                                   Sequence 7243, Application US/09949016
Patent No. 6812339
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Best Local Similarity
Matches 6; Conserv
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US-08-999-774A-6
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Search completed: February 27, 2006, 09:51:27 Job time : 48 secs
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US-09-809-920-2
; Sequence 2, Application US/09809920
; Patent No. 6812326
; GENERAL INFORMATION:
; APPLICANT: Sato, Takaaki
; TITLE OF INVENTION: TREX, A NOVEL GENE OF TRAF-INTERACTING
; TITLE OF INVENTION: TREX, A NOVEL GENE OF TRAF-INTERACTING
; TITLE OF INVENTION: TREX, A NOVEL GENE OF TRAF-INTERACTING
; THEREOF
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MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURENT APPLICATION DATA:

APPLICATION NUMBER: US/09/809,920

FILING DATE: 16-Mar-2001

CLASSIFICATION: -CUNKNOWN->
PRIOR APPLICATION: -CUNKNOWN->
PRIOR APPLICATION: -CUNKNOWN->
PRIOR APPLICATION: -CUNKNOWN->
PRIOR APPLICATION NUMBER: US/09/156,191

FILING DATE: -CUNKNOWN->
ATORNEY/AGENT INFORMATION:
NAME: White, JOHN P.

REGISTRATION NUMBER: 28,678

REFERENCE/DOCKET NUMBER: 0575/51902

TELECHONE: (212) 278-0400

TELECHONE: (212) 278-0400

TELEFAX: (212) 391-0525

INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 918 maino acids
                                                                                                                                                                      Length 912;
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85.0%; Score 34; DB 2; Length 912
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 6; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESSE:
ADDRESSE: COOPER & Dunham LLP
STREET: 1185 Avenue of the Americas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY:
TOPOLOGY:
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
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US-08-482-880-10
; Sequence 10, Application US/08482880
                                                                  ; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-24163
    33142
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CITY: New York
STATE: New York
COUNTRY: U.S.A
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Best Local Similarity 71.4
Matches 5; Conservative
NUMBER OF SEQ ID NOS:
SEQ ID NO 24163
LENGTH: 912
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Gaps
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GENERAL INFORMATION:
APPLICANT: Dean, Richard T
APPLICANT: Lister-James, John
TITLE OF INVENTION: Thrombus Imaging
TITLE OF INVENTION: Thrombus Imaging
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESSEE: Banner & Allegretti, Ltd.
STREET: 10 South Wacker Drive Suite 3000
CITY: Chicago
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: G606
COMPUTER EADABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: BADRES: PACHOLISE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: DatentIN DATA:
APPLICATION NUMBER: US/08/482,880
FILING DATE: 07-QUN-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: No. 573612Dan, Kevin E
REGISTRACE/DOCKET NUMBER: 92,216-L
TELECOMMUNICATION INVERRE: 92,216-L
TELEFRANCE/DOCKET NUMBER: 92,216-L
TELEFRANCE/DOCKET NUMBER: 92,216-L
TELEFRANCE/DOCKET NUMBER: 92,216-L
TELEFRANCE/DOCKET NUMBER: 91-115-1000
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85.7%; Pred. No. 29;
live 0; Mismatches 1; Indels
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Best Local Similarity 85.77
Laga 6; Conservative
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 11 amino acids
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MOLECULE TYPE: peptide
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8418, Ap
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20557, A
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US-10-437-963-149137

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US-10-156-761-100231

US-10-156-761-100231

US-10-156-761-100231

US-10-203-295-7

US-10-427-963-149164

US-10-427-963-149167

US-10-427-963-149167

US-10-427-963-149167

US-10-427-963-149167

US-10-427-963-14918

US-10-427-963-19918

US-10-437-963-19918

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US-10-425-115-332724
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173239,
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103936,
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170096,
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141956,
111588,
157722,
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196524,
130467,
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                                                                                                                          February 27, 2006, 10:01:20 ; Search time 164 Seconds (without alignments) 17.834 Million cell updates/sec
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Sequence 4
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(cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*

(cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*

(cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*

(cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*

(cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*

(cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*
                 GenCore version 5.1.7 (c) 1993 - 2006 Biocceleration Ltd.
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US-10-149-310-176
US-10-149-310-176
US-10-132-923-3741
US-10-437-963-170096
US-10-437-963-170096
US-10-437-963-17369
US-10-425-115-277369
US-10-425-115-277369
US-10-425-115-277369
US-10-427-963-18581
US-10-437-963-18581
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Maximum Match 100%
Listing first 100 summaries
                                                                                          protein search, using sw model
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Gapop 10.0 , Gapext 0.5
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seq length: 200000000
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170
187
                                   Copyright
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Maximum DB
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Perfect
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APPLICANT: Wu, Wei
APPLICANT: Boukharov, Andrey A.
APPLICANT: Boukharov, Andrey A.
APPLICANT: Brobaluk, Brad
APPLICANT: Brobaluk, Brad
APPLICANT: Li, Ping
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE OF INVENTION: 18-21 (5322.1)
CURRENT APPLICATION NUMBER: US/10/437,963
CURRENT FILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
SEQ ID NO 103936
LENGTH: 60
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Sequence 3741, Application US/10732923

Publication No. US20050108791A1

GENERAL INFORMATION:

APPLICANT: Edgerton, Michael D

TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES

TITLE REPERENCE: 38-15 (52796)C

CURRENT APPLICATION NUMBER: US/10/732,923

CURRENT APPLICATION NUMBER: 10/310,154

PRIOR APPLICATION NUMBER: 10/310,154

PRIOR FILING DATE: 2002-12-04

NUMBER OF SEQ ID NOS: 24149

SEQ ID NO 3741
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Pred. No. 66;
1; Mismatches 0; Indels
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85.7%; Pred. No. 94;
1ive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; OTHER INFORMATION: Clone ID: PAT_MRT4530_101318C.1.pep
US-10-437-963-103936
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: LOCATION: (1)..(88)

: OTHER INFORMATION: unsure at all Xaa locations

US-10-732-923-3741
Sequence 103936, Application US/10437963
Publication No. US20040123343A1
GENERAL INPORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Zhou, Yihua
APPLICANT: Zhou, Yihua
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 170096, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 85.,
6; Conservative
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Best Local Similarity 85.7
Matches 6; Conservative
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                                                                                                      Sequence 2, Application US/10027015A
Publication No. US20050143312A1
GENERAL INFORMATION:
APPLICANT: AKELLA, RAWA
APPLICANT: RAVIERI, JOHN P.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR PROMOTING MYOCARDIAL AND PERIPHERAL
TITLE OF INVENTION: ANGIOGENESIS
FILE REPERENCE: 2103-000500
CURRENT APPLICATION NUMBER: US/10/027,015A
CURRENT FILING DATE: 2001-12-21
NUMBER OF SEQ ID NOS: 6
SOCTHWARE: Patentin version 3.2
SEQ ID NO 2
LENGTH: 7
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US-10-149-310-176

US-10-149-310-176

Sequence 176, Application US/10149310

Publication No. US20040077039A1

GENERAL INFORMATION:

APPLICANT: Holtzman, Douglas

APPLICANT: Madden, Kevin T.

APPLICANT: Maxon, Mary

APPLICANT: Sheraman, Amir

TITLE OF INVENTION: Zinc Binuclear Cluster Proteins

FILE REFRENCE: 14184-019US1

CURRENT APPLICATION NUMBER: US/10/149,310

CURRENT FILING DATE: 2001-09-19

PRIOR APPLICATION NUMBER: DE 60/233,564

PRIOR FILING DATE: 2000-09-19

NUMBER OF SEQ ID NOS: 308

SOFTWARE: Patentin Version 3.1

SEQ ID NO 176

TENGTH: 1090
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Score 40; DB 5; Length 7; 100.0%; Pred. No. 1.7e+06; cive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; OTHER INFORMATION: SYNTHETIC PEPTIDE US-10-027-015A-2
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Best Local Similarity 100...
7; Conservative
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Best Local Similarity 100.
Matches 7; Conservative
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US-10-437-963-103936
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Sequence 149979, Application US/10437963
; Sequence 149979, Application US/10437963
; Bublication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: Expense J.
; APPLICANT: Expense J.
; APPLICANT: Expense J.
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Bucharov, Andrey A.
; APPLICANT: Li, Pinde
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Pinde
; TITLE OF INVENTION: Plante and Uses Thereof for Plant Improvement
; TITLE OF INVENTION NUMBER: US/10/437,963
; CURRENT APPLICATION NUMBER: US/10/437,963
; WUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 149979
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OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.91

OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.1

OTHER INFORMATION: EXPRESSED IN BETAL LIVER, SIGNAL = 0.86

OTHER INFORMATION: EXPRESSED IN BEAIN, SIGNAL = 1

OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.9

OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.9

OTHER INFORMATION: EXPRESSED IN ADULT SIGNAL = 0.87

OTHER INFORMATION: EXPRESSED IN ADULT SIGNAL = 0.87

OTHER INFORMATION: EST_HUMAN HIT: Q99456, EVALUE 2.00e-11

US-09-864-761-44299
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Pred. No. 1.6e+02;
1; Mismatches 0; Indels
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85.7%; Pred. No. 1.9e+02;
Live 1; Mismatches 0; Indels
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US-10-437-963-149979
                            PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 09/608,408
PRIOR FILING DATE: 2000-06-30
PRIOR FILING DATE: 2001-06-30
PRIOR FILING DATE: 2001-01-29
NUMBER OF SEQ ID NOS: 49117
SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
SEQ ID NO 44299
LENGTH: 157
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LOCATION: (1)..(184)
OTHER INFORMATION: unsure at all Xaa locations
         PRIOR APPLICATION NUMBER: US 60/234,687
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85.7%;
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Best Local Similarity 85.73
Matches 6; Conservative
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Best Local Similarity 85.7
Matches 6; Conservative
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111 GGVGDGG 117
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137 GGVGDGG 143
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                                                                                                                                                                                                                                                                                                                                                                      FEATURE
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Sequence 44299, Application US/09864761
Sequence 44299, Application US/09864761
Sequence 44299, Application US/09864761
Sequence 44299, Application US/09864761
Septical INFORMATION: Homes Application US/09864761
TITLE OF INVENTION: HOMES US/09864 T61
TITLE OF INVENTION: HOMES US/09864 T61
CURRENT PILING DATE: 2001-02-39/664 T61
CURRENT PILING DATE: 2001-02-39/664 T61
SRIOR PELICATION NUMBER: US/09/02-44/66
PRIOR APPLICATION NUMBER: US/09/02-44/66
PRIOR PILING DATE: 2000-05-26
PRIOR PELING DATE: 2000-06-30
PRIOR PILING DATE: 2000-06-30
PRIOR PILING DATE: 2000-06-30
PRIOR PELICATION NUMBER: PCT/US01/00666
PRIOR PELICATION NUMBER: PCT/US01/00669
PRIOR PELICATION NUMBER: PCT/US01/00661
PRIOR PELICATION NUMBER: PCT/US01/00661
PRIOR PELICATION NUMBER: PCT/US01/00661
PRIOR PELICATION NUMBER: PCT/US01/00667
                                           APPLICANT: Wu, Wei APPLICANT: Wu, Wei APPLICANT: Boukharov, Andrey A. APPLICANT: Boukharov, Andrey A. APPLICANT: Boukharov, Andrey A. APPLICANT: Barbazuk, Brad APPLICANT: Li, Ping TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement FILE REPERBNCE: 38-21(5322) B CURRENT FILIAG DATE: 2003-05-14 NUMBER OF SEQ ID NOS: 204966 SEQ ID NO 170096 LENGTH: 156
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US-10-437-963-170096
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Matches 6; Conservative
Zhou, Yihua
Cao, Yongwei
Wu, Wei
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US-09-864-761-44299
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APPLICANT:
APPLICANT:
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97.5%; Score 39; DB 4; Length 250; 85.7%; Pred. No. 2.5e+02; ive 1; Mismatches 0; Indels
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85.7%; Pred. No. 3.2e+02;
cive 1; Mismatches 0; Indels
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85.7%; Pred. No. 3.6e+02;
tive 1; Mismatches 0; Indels
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US-10-437-963-135984
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US-10-425-115-277369
                                                                                                                                                                                                                                                                                                Sequence 135984, Application US/10437963
Publication No. US20040123343A1
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Wu, Wei
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; Sequence 277369, Application US/10425115; Publication No. US20040214272A1; GENERAL INFORMATION:
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Matches 6; Conservative
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Best Local Similarity 85.7
Matches 6; Conservative
                                             Query Match
Best Local Similarity 85.7
Matches 6; Conservative
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ORGANISM: Oryza sativa
                                                                                                                                                                     171 GGVGDGG 177
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6 GGVGDGG 12
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US-10-437-963-135984
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US-10-102-806-517
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OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
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OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
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OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino
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TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
FILE REPERENCE: PAJ03PICI
CURRENT APPLICATION: Nucleic Acids, Proteins and Antibodies
CURRENT APPLICATION NUMBER: US/10/102,806
CURRENT FILING DATE: 2002-03-22
PRIOR PAPLICATION NUMBER: 09/925,298
PRIOR FILING DATE: 2001-08-10
PRIOR PILING DATE: 2000-03-08
PRIOR FILING DATE: 1999-03-12
NUMBER: OF SEQ ID NOS: 846
SOFTWARE: PATCHING VET: 2.0
SEQ ID NOS: 846
SOFTWARE: PATCHING VET: 2.0
                                                                                                       APPLICAMY: ROSen et al.

TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
FILE REFERENCE: PAA103

CURRENT APPLICATION NUMBER: US/09/925,298

CURRENT FILING DATE: 2001-08-10

PRIOR APPLICATION NUMBER: PCT/US00/05881

PRIOR FILING DATE: 2000-03-08

PRIOR FILING DATE: 1999-03-12

NUMBER OF SEQ ID NOS: 846

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 517
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85.7%; Pred. No. 2.5e+02;
tive 1; Mismatches 0; Indels
                                           Sequence 517, Application US/09925298 Publication No. US20020039764A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 517, Application US/10102806 Publication No. US20030054421A1 GENERAL INFORMATION:
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Best Local Similarity 85.77
6, Conservative
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ORGANISM: Homo sapiens
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                     US-09-925-298-517
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APPLICANT: Wu, Wei

APPLICANT: Baukharov, Andrey A.

APPLICANT: Baubazuk, Brad

APPLICANT: Li, Ping

TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With

TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement

FILE REFERENCE: 38-21(53221)B

CURRENT APPLICATION NUMBER: US/10/437,963

CURRENT FILING DATE: 2003-05-14

NUMBER OF SEQ ID NOS: 204966

EBQ ID NO 135984

LENTH: 333
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APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Applicant: Applicant: Applicant: Applicant: Cao, Yongwei
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: 18-21 [5322) B
CURRENT APPLICATION NUMBER: US/10/425,115
CURRENT APPLICATION NUMBER: US/10/425,115
CURRENT APPLICATION NUMBER: US/10/425,115
CURRENT APPLICATION OF SEQ ID NOS: 369326
SEQ ID NOS: 369326
SEQ ID NOS: 377
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Sequence 29024, Application US/10029386

Publication No. US20030194704A1

GENERAL INFORMATION:
APPLICANT: Penn, Sharron G.
APPLICANT: Penn, David R.
APPLICANT: Hanzel, David R.
APPLICANT: HANZEL, David R.
APPLICANT: HANZEL, David R.
APPLICANT: HANZEL, DAVID RECORDED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR TITLE OF INVENTION: EXPRESSION ANALYSIS TWO
FILE REFERENCE: AEOMICA-X-2
CURRENT APPLICATION NUMBER: US/10/029,386
CURRENT PILLING DATE: 2001-12-20
NUMBER OF SEQ ID NOS: 34288
CURRENT PILLING DATE: 2001-12-20
NUMBER OF SEQ ID NOS: 34288
LENGTH: 37
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APPLICANT: La Lou, Yihua
APPLICANT: Zhou, Yihua
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Wu, Wei
APPLICANT: Wu, Wei
APPLICANT: Boukharov, Andrey A.
APPLICANT: Boukharov, Andrey A.
APPLICANT: Boukharov, Brad
APPLICANT: Boukharov, Brad
APPLICANT: Li, Ping
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(5321)B
CURRENT APPLICATION NUMBER: US/10/437,963
CURRENT FILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
SEQ ID NO 180674
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                                                                                                 Score 39; DB 4; Length 897;
Pred. No. 8.1e+02;
1; Mismatches 0; Indels
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OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.61
OTHER INFORMATION: EXPRESSED IN BEAIN, SIGNAL = 0.48
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.5
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.59
US-10-029-186-29024
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Pred. No. 60;
1; Mismatches 0; Indels
; OTHER INFORMATION: Clone ID: PAT_MRT4530_80613C.1.pep
US-10-437-963-183531
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                                                                                             97.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               95.0%;
                                                                                          Query Match
Best Local Similarity 85.7*
Matches 6; Conservative
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Best Local Similarity 85.7
Matches 6; Conservative
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ORGANISM: Homo sapiens
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ORGANISM: Oryza sativa
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881 GGVGDGG 887
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US-10-029-386-29024
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TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With;
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement;
FILE REFERENCE: 38-21 (53221)B
CURRENT APPLICATION NUMBER: US/10/437,963
CURRENT FILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
SEQ ID NO 183531
LENGTH: CONTRACT OF THE CO
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OTHER INFORMATION: Channel forming colicins proteins domain identified by
OTHER INFORMATION: eMATRIX, accession number BL00276A, p-value=2.227e-11, raw score
OTHER INFORMATION: 8.87
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Publication No. US20050196754A1

GENERAL INFORMATION:

APPLICATION NO. US20050196754A1

TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES

FILE REFERENCE: 790C1P3/US

CURRENT FILING DATE: 2003-06-11

PRIOR APPLICATION NUMBER: US/10/450,763

PRIOR PLING DATE: 2001-03-30

PRIOR PLING DATE: 2000-03-31

PRIOR PLING DATE: 2000-03-31

PRIOR PLING DATE: 2000-03-31

PRIOR FILING DATE: 2000-08-23

NUMBER OF SEC ID NOS: 60736

SEC ID NOS: 60736

LENTHREN 399
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85.7%; Pred. No. 3.8e+02;
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OTHER INFORMATION: unsure at all Xaa locations
FEATURE:
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Publication No. US20040123343A1
GENERAL INFORMATION:
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APPLICANT: Kovalic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Wu, Wei
APPLICANT: Wu, Wei
APPLICANT: Boukharov, Andrey A.
APPLICANT: Barbazuk, Brad
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Best Local Similarity 85.7-
6; Conservative
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ORGANISM: Homo sapiens
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ORGANISM: Oryza sativa
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149 GGVGDGG 155
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                              1 GGIGDGG 7
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                                                                                                                                                                                    RESULT 12
US-10-450-763-59000
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Sequence 111588

Sequence 11588, Application US/10437963

Publication No. US20040123343A1

GENERAL INFORMATION:

APPLICANT: La Rosa, Thomas J.

APPLICANT: Cao, Yongwei

APPLICANT: Cao, Yongwei

APPLICANT: Boukharov, Andrey A.

APPLICANT: Bukharov, Andrey A.

APPLICANT: Li, Ping

TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With

TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With

FILE REFERENCE: 38-21(53221) B

CURRENT APPLICATION NUMBER: US/10/437,963

CURRENT FILING DATE: 2003-05-14

NUMBER OF SEQ ID NOS: 204966

SEQ ID NO 111588

LENGTH: 214

"LENGTH: 214
                                                                                                                                                                                                                                                                          Lair Darbazuk, Brad

Lii, Ping

TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With

TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement

FILE REFERENCE: 38-21(5321)B

CURRENT APPLICATION NUMBER: 108/10/437,963

CURRENT FILING DATE: 2003-05-14

NUMBER OF SEQ ID NOS: 204966

LENGTH: 181

TYPE: nor
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  Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; OTHER INFORMATION: Clone ID: PAT_MRT4530_43009C.1.pep
US-10-437-963-141956
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OTHER INFORMATION: unsure at all Xaa locations
  Mismatches
                                                                                                                                                                                                  Sequence 141956, Application US/10437963
Publication No. US20040123343A1
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Zhou, Yihua
APPLICANT: Zhou, Yihua
APPLICANT: Wu, Wei
    ۲,
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Matches 6; Conservative
    6; Conservative
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ORGANISM: Oryza sativa
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81 GGLGDGG 87
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7 GGLGDGG 13
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                                               1 GGIGDGG 7
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US-10-437-963-141956
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    Matches
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APPLICANT: LA ROSA, Thomas J.
APPLICANT: LA ROSA, Thua
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: W. Wei
APPLICANT: W. Wei
APPLICANT: Boukharov, Andrey A.
APPLICANT: Boukharov, Andrey A.
APPLICANT: Li, Ping
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
TITLE OF INVENTION NUMBER: US/10/437,963
CURRENT APPLICATION NUMBER: US/10/437,963
CURRENT FILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
SEQ ID NO 154584
LENGTH: 170
                                                                                                                                                                                                                                                                                                                Sequence 201529, Application US/10425115
Publication No. US20040214272A1
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: APPLICANT: Abou, Yihua
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwan
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants
TITLE OF INVENTION: Plants
TITLE OF INVENTION: Plants
TITLE OF INVENTION: Plants
CURRENT APPLICATION NUMBER: US/10/425,115
CURRENT APPLICATION NUMBER: US/10/425,115
CURRENT FILING DATE: 2003-04-28
SEQ ID NOS: 369326
LENGTH: 122
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  95.0%; Score 38; DB 4; Length 122; 85.7%; Pred. No. 1.8e+02; Live 1; Mismatches 0; Indels
                                                                         Length 120;
                                                                    Query Match 95.0%; Score 38; DB 4; Length 120
Best Local Similarity 85.7%; Pred. No. 1.8e+02;
Matches 6; Conservative 1; Mismatches 0; Indels
    ; OTHER INFORMATION: Clone ID: PAT_MRT4530_78022C.1.pep
US-10-437-963-180674
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; OTHER INFORMATION: Clone ID: PAT_MRT4530_5442C.1.pep
US-10-437-963-154584
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               , OTHER INFORMATION: Clone ID: MRT4577_115378C.1.pep
US-10-425-115-201529
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; Sequence 154584, Application US/10437963; Publication No. US20040123343A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Oryza sativa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         108 GGLGDGG 114
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Best Local Similarity
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US-10-425-115-201529
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US-10-437-963-154584
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Squence 173239, Application US/10437963

Squence 173239, Application US/10437963

Publication No. US20040123343A1

GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Shou, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Cao, Yongwei
APPLICANT: Boukharov, Andrey A.
APPLICANT: Buckharov, Andrey A.
APPLICANT: Li, Ping
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21 (5221) B
CURRENT APPLICATION NUMBER: US/10/437,963

CURRENT FILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
SSQ ID NO 173239

LENGTH: 1152
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APPLICANT: Boukharov, Andrey A.
APPLICANT: Barbazuk, Brad
APPLICANT: Li, Ping
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21 (53221)B
CURRENT APPLICATION NUMBER: US/10/437,963
CURRENT FILING DATE: 2003-05-14
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                                                                                                                                                                                                                                                   95.0%; Score 38; DB 6; Length 427; 85.7%; Pred. No. 5.8e+02; ive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; OTHER INFORMATION: Clone ID: PAT_MRT4530_71297C.1.pep
US-10-437-963-173239
PRIOR APPLICATION NUMBER: 60/191,637
PRIOR FILING DATE: 2000-03-23
NUMBER OF SEQ ID NOS: 43008
SEQTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 9876
LENGTH: 427
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Publication No. US20040123343A1
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Wu, Wei
APPLICANT: Boukharov, Andrey A.
APPLICANT: Brabaruk, Brad
                                                                                                                                                                                                                                                Query Match
Best Local Similarity 85.77
Matches 6; Conservative
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ORGANISM: Oryza sativa
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Best Local Similarity
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                                                                                                                                                      TYPE: PRT
ORGANISM: DROSOPHILA
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US-10-437-963-173239
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APPLICANT: Zhou, Yihua
APPLICANT: Zhou, Yihua
APPLICANT: Zhou, Yihua
APPLICANT: Go, Yongwei
APPLICANT: Wu, Wei, Wei
APPLICANT: Burbazuk, Brad
APPLICANT: Barbazuk, Brad
APPLICANT: Li, Ping
APPLICANT: Li, Ping
APPLICANT: Li, Ping
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(5321) B
CURRENT APPLICATION NUMBER: US/10/437,963
CURRENT FILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
SEQ ID NO 157722
LENGTH: 300
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Sequence 9876, Application US/11097143

Publication No. US20050208558A1

APPLICANT: Venter, J. Craig

APPLICANT: Venter, J. Craig

APPLICANT: Venter, J. Craig

TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID

TITLE OF INVENTION: DROSOPHILA GENES.

FILE REPERENCE: CLOO0728

CURRENT APPLICATION NUMBER: US/11/097,143

CURRENT PILING DATE: 2005-04-04

PRIOR APPLICATION NUMBER: 60/157,832

PRIOR PILING DATE: 1999-10-05

PRIOR PILING DATE: 1999-10-19

PRIOR PILING DATE: 1999-10-28

PRIOR PILING DATE: 1999-11-28

PRIOR PILING DATE: 1999-11-28

PRIOR PILING DATE: 1999-11-28

PRIOR PILING DATE: 1999-11-28

PRIOR PILING DATE: 2000-01-12

PRIOR PILING DATE: 2000-01-15

PRIOR APPLICATION NUMBER: 60/175,693

PRIOR PILING DATE: 2000-01-15

PRIOR PILING DATE: 2000-01-15

PRIOR FILING DATE: 2000-01-15

PRIOR FILING DATE: 2000-01-15

PRIOR FILING DATE: 2000-01-15
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                    Score 38; DB 4; Length 214;
Pred. No. 3e+02;
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                                                                        0; Indels
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US-10-437-963-157722
                                                                     1; Mismatches
                                                                                                                                                                                                                                                                                       Sequence 15722, Application US/10437963;
Publication No. US200401233431
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Zhou, Yihua
APPLICANT: Zhou, Yihua
APPLICANT: Wu, Wei
APPLICANT: Boukharov, Andrey A.
APPLICANT: Barbazuk, Brad
               95.0%;
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Best Local Similarity 85.73
Conservative
            Query Match
Best Local Similarity 85.7
Matches 6; Conservative
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ORGANISM: Oryza sativa
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98 GGLGDGG 104
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NAME/KEY: unsure LOCATION: (1)..(
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APPLICANT:
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Matches
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; Publication No. US20040214272A1
; Publication No. US200400214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Zhou, Yihua
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21 (5)222B
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 205711
; LENTH: 117
                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 229793, Application US/10425115

Fubilication No. US20040214272A1

GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Zhou, Yihua
APPLICANT: Zhou, Yihua
APPLICANT: Con, Yought K.
APPLICANT: Con, Young K.
TITLE OF INVENTION: Plants
TITLE OF INVENTION: Plants
TITLE OF INVENTION: US/10/425,115
CURRENT APPLICATION NUMBER: 2003-04-28
SCOURE OF SEQ ID NOS: 369326
SEQ ID NO 229793
LENGTH: 93
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                                                                                                                                                                                               Score 37; DB 4; Length 146;
Pred. No. 3e+02;
1; Mismatches 0; Indels
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85.7%; Pred. No. 2.88+02;
:ive 0; Mismatches 1; Indels
                                                                                                                                   , OTHER INFORMATION: Clone ID: PAT_MRT4530_24625C.1.pep
US-10-437-963-121618
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US-10-425-115-205711
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US-10-425-115-229793
                                                                                                                                                                                                   Query Match 92.5%;
Best Local Similarity 85.7%;
Matches 6; Conservative
NUMBER OF SEQ ID NOS: 204966
SEQ ID NO 121618
LENGTH: 146
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Matches 6; Conservative
                                                                                       ORGANISM: Oryza sativa
                                                                                                                                                                                                                                                                                                                    137 GGMGDGG 143
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ORGANISM: Zea mays
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US-10-425-115-229793
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Sequence 130467, Application US/10437963
; Sequence 130467, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Butharov, Andrey A.
; APPLICANT: Butharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Barbazu
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TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(5321)B
CURRENT APPLICATION NUMBER: US/10/437,963
CURRENT FILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
SEQ ID NOS: 204966
LENGTH: 170
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Score 36; DB 4; Length 117; 
Pred. No. 3.5e+02; 
0; Mismatches 1; Indels
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US-10-437-963-196524
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Pred. No. 5e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LOCATION: (1)..(170)
OTHER INFORMATION: unsure at all Xaa locations
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 196524, Application US/10437963; Publication No. US20040123343A1; GENERAL INFORMATION: APPLICANT: La Rosa, Thomas J. APPLICANT: Zhou, Yihua, APPLICANT: Covalic, David K. APPLICANT: Covalic, Wei
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Boukharov, Andrey A.
Barbazuk, Brad
    90.0%;
85.7%;
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85.7%;
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nes 6; Conservative
            Query Match
Best Local Similarity 85.7
Matches 6; Conservative
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ORGANISM: Oryza sativa
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9 GGIGEGG 15
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Sequence 149137, Application US/10437963
; Sequence 149137, Application US/10437963
; Fublication No. US20040123343A1
; GNERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
APPLICANT: Each, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Boukharov, Andrey A.
APPLICANT: Buchazuk, Brad
APPLICANT: Bi, Ping
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(53221)B
CURRENT APPLICATION NUMBER: US/10/437,963
CURRENT FILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 149137
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Publication No. US20040123343A1

GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Cao, Yongwei
APPLICANT: Wu, Wei
APPLICANT: Wu, Wei
APPLICANT: Boukharov, Andrey A.
APPLICANT: Bukharov, Andrey A.
APPLICANT: Li, Ping
APPLICANT: Li, Ping
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
TITLE OF INVENTION DIABLES: US/10/437,963
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                                                                                                                                                                                                                                                   90.0%; Score 36; DB 4; Length 292;
85.7%; Pred. No. 8.2e+02;
iive 0; Mismatches 1; Indels
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US-10-437-963-149137
                                                                                                                                                                              ; OTHER INFORMATION: Clone ID: MRT4577_124129C.1.pep
US-10-425-115-211110
                                                                          NAME/KEY: unsure
LOCATION: (1)..(292)
PERTICRE INFORMATION: unsure at all Xaa locations
PEATURE:
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Best Local Similarity 85.7<sup>1</sup>
....hes 6; Conservative
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Best Local Similarity 85.7
Matches 6; Conservative
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ORGANISM: Oryza sativa
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27 GGFGDGG 33
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       TYPE: PRT
ORGANISM: Zea mays
FEATURE:
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US-10-437-963-149137
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TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REPRENCE: 38-21 (5321)B
CURRENT APPLICATION NUMBER: US/10/437,963
CURRENT FILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
SEQ ID NO 159222
LENGTH: 290
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APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
TITLE OF INVENTION: Plants
FILE OF INVENTION: Plants
FILE REFERENCE: 38-21(5322)B
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 369326
SEQ ID NO 211110
LENGTH: 292
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                       LOCATION: (1)..(187)
OTHER INFORMATION: unsure at all Xaa locations
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT4530_32626C.1.pep
US-10-437-963-130467
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US-10-437-963-159222
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85.7%; Pred. No. 8.2e+02;
tive 0; Mismatches 1;
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LOCATION: (1)..(290)
OTHER INFORMATION: unsure at all Xaa locations
                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 159222, Application US/10437963
Publication No. US20040123343A1
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Cao, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Wu, Wei
APPLICANT: Boukharov, Andrey A.
APPLICANT: Barbazuk, Brad
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Publication No. US20040214272A1
GENERAL INFORMATION:
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Best Local Similarity 85...
6; Conservative
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ORGANISM: Oryza sativa
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2 GGIGEGG 8
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NAME/KEY: unsure
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APPLICANT: Ellingsen, Trond Erling
APPLICANT: Sletta, Havard
APPLICANT: Sletta, Havard
APPLICANT: Gullikesn, Ole-Martin
TITLE OF INVENTION: Novel genes encoding a nystatin polyketide synthase and their
TITLE OF INVENTION: manipulation and utility
FILE REFERBNCE: 1181-265
CURRENT APPLICATION NUMBER: US/10/203,295
CURRENT FILING DATE: 2003-05-19
PRIOR APPLICATION NUMBER: PCT/GB 01/00509
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                                                                                                                                                                                                                              Length 813;
                                                                                                                                             ; OTHER INFORMATION: Clone ID: PAT_MRT4530_58664C.1.pep
US-10-437-963-159271
                                                                                                                                                                                                                                 Score 36; DB 4; 1
Pred. No. 2.1e+03;
                                                                                                                                                                                                                                                                                          0; Mismatches
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APPLICANT: IKEDA, HARUO
APPLICANT: HORIKAMA, JUN
APPLICANT: HORIKAMA, HIROSHI
APPLICANT: SHEBA, TADAXOSHI
APPLICANT: SAKAKI, YOSHIVIKI
APPLICANT: HATTORI, MASAHIRA
TILE REFERENCE: 249-262
CURRENT APPLICATION NUMBER: US/10/156,761
CURRENT FILING DATE: 2002-05-29
FRIOR APPLICATION NUMBER: JP 2001-204089
FRIOR APPLICATION NUMBER: JP 2001-272697
FRIOR FILING DATE: 2001-06-30
FRIOR FILING DATE: 2001-06-30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 10231, Application US/10156761
Publication No. US20030119018A1
GENERAL INFORMATION:
APPLICANT: OMURA, SATOSHI
APPLICANT: ISBA, HARUO
APPLICANT: ISHIKAWA, JUN
APPLICANT: HORIKAWA, HIROSHI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Streptomyces avermitilis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; Sequence 7, Application US/10203295; Publication No. US20040115762A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                 90.0%;
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SEQ ID NO 10231
LENGTH: 1278
                                                                                                                                                                                                                                                                                             6; Conservative
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                        LENGTH: 813
TYPE: PRT
ORGANISM: Oryza sativa
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US-10-156-761-10231
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SEQ ID NO 159271
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US-10-203-295-7
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APPLICANT:
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                                                                                                                     FEATURE:
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APPLICANT: Zhou, Yihua
APPLICANT: Zhou, Yihua
APPLICANT: Zhou, Yihua
APPLICANT: Zhou, Yihua
APPLICANT: Barbazuk, Brad
APPLICANT: Barbazuk, Brad
APPLICANT: Li, Ping
APPLICANT: Li, Ping
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
CURRENT APPLICANTON NUMBER: US/10/437,963
CURRENT PILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
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                                                                                                                                                                                                                                                               90.0%; Score 36; DB 4; Length 405; 85.7%; Pred. No. 1.1e+03; ive 1; Mismatches 0; Indels
                                                                                                                                             FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_70440C.1.pep
US-10-437-963-172290
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SQUENCE 10244, Application US/10156761
PUDLICATION NO. US20030119018A1
GENERAL INFORMATION:
APPLICANT: OWURA, SATOSHI
APPLICANT: ISHIKAWA, UUN
APPLICANT: ISHIKAWA, UNN
APPLICANT: SHIRAW, HARUO
APPLICANT: SHIRAW, HAROSHI
APPLICANT: SHIRAW, HAROSHI
APPLICANT: HATTORI, WSAHIRA
TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
FILE REFERENCE: 249-262
CURRENT APPLICATION NUMBER: US/10/156,761
CURRENT APPLICATION NUMBER: US/201-20409
PRIOR PILING DATE: 2001-05-30
PRIOR PILING DATE: 2001-05-30
PRIOR FILING DATE: 2001-05-30
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Publication No. US20040123343A1
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Cao, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Buukharov, Andrey A.
APPLICANT: Barbazuk, Brad
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   NUMBER OF SEQ ID NOS: 204966
SEQ ID NO 172290
LENGTH: 405
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Matches 6; Conservative
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Matches 6; Conservative
                                                                                          TYPE: PRT
ORGANISM: Oryza sativa
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US-10-437-963-159271
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US-10-156-761-10244
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Sequence 42760, Application US/09864761

Patent No. US20020048763A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Penn, Sharron G.
APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
FILE REPERENCE: Acomica-X-1
CURRENT APPLICATION NUMBER: US/09/864,761

CURRENT FILING DATE: 2001-05-23

PRIOR APPLICATION NUMBER: US 60/180,312
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OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 2.2

OTHER INFORMATION: EXPRESSED IN BT87N, SIGNAL = 1.4

OTHER INFORMATION: EXPRESSED IN HEAR, SIGNAL = 1.4

OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.4

OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.4

OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.7

OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.7

OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.7

OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.7

OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 1.6

US-09-864-761-36444
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Pred. No. 2.7e+02;
0; Mismatches 1; Indels
                                  PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2001-01-03
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR APPLICATION NUMBER: US 09/608,408
PRIOR PRILING DATE: 2000-06-21
PRIOR APPLICATION NUMBER: US 09/608,408
PRIOR FILING DATE: 2001-01-29
PRIOR PRIOR SEQ ID NOS: 49117
PRIOR APPLICATION NUMBER: US 09/774,203
PRIOR PRIOR SEQ ID NOS: 49117
PRIOR APPLICATION NUMBER: US 09/774,203
PRIOR PLING DATE: 2001-01-29
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ORGANISM: Homo sapiens
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Best Local Similarity
Matches 6; Conserv
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Sequence 36444, Application US/09864761
Sequence 36444, Application US/09864761
GENERAL INFORMATION:
APPLICANT: Penn, Sharron G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David R.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR TITLE OF INVENTION: GENERAL EXPRESSION ANALYSIS BY MICROARRAY
FILE REFERENCE: Acomica-X-1
CURRENT APPLICATION NUMBER: US/09/864,761
CURRENT FILING DATE: 2000-05-23
PRIOR FILING DATE: 2000-05-06
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR PILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 99/632,366
PRIOR PILING DATE: 2000-08-03
PRIOR FILING DATE: 2000-08-03
PRIOR PILING DATE: 2000-08-03
PRIOR PILING DATE: 2000-08-03
PRIOR PLING DATE: 2000-08-03
PRIOR PLING DATE: 2000-08-03
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US-10-732-923-20557
; Sequence 20557, Application US/10732923
; Publication No. US20050108791A1
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REFERENCE: 38-15(52796)C
; CURRENT APPLICATION NUMBER: US/10/732,923
; CURRENT FILING DATE: 2003-12-10
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 24149
; SEQ ID NO 20557
. LENGTH: 11096
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Pred. No. 2.4e+04;
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Pred. No. 2.4e+04
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; ORGANISM: Streptomyces noursei ATCC 11455
US-10-203-295-7
PRIOR FILING DATE: 2001-02-08
PRIOR APPLICATION NUMBER: GB 0002840.7
PRIOR FILING DATE: 2000-02-08
PRIOR FILING DATE: 2000-04-10
PRIOR FILING DATE: 2000-04-10
PRIOR PRIOR APPLICATION NUMBER: GB 0009387.2
PRIOR FILING DATE: 2000-04-14
NUMBER OF SEQ ID NOS: 49
SOFTWARE: PATENTIN VERSION 3.0
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Matches 6; Conservative
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Best Local Similarity 85.7
Matches 6; Conservative
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LALICANT: Li, Ping Til, Brad

TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(53221)B
CURRENT FILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
SEQ ID NO 109585
LENGTH: 75
TYPE. PROPERTY OF THE PROPERTY OF TABLE OF THE PROPERTY OF TABLE OF TA
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TITLE OF INVENTION: Rice Mucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(53221)B
CURRENT APPLICATION NUMBER: US/10/437,963
CURRENT FILING DATE: 2003-05-14
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US-10-437-963-109585
                                                                                                                                                                                                                                     OTHER INFORMATION: Clone ID: PAT_MRT3847_15440C.1.pep
                                                                                                                                                                                                                                                                                                                                                Score 35; DB 4; Le
Pred. No. 3.1e+02;
0; Mismatches 1;
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85.7%; Pred. No. 3.3e+02;
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Publication No. US20040123343A1;
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.;
APPLICANT: Kovalic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Boukharov, Andrey A.
APPLICANT: Buckharov, Andrey A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 109585, Application US/10437963; Publication No. US20040123343A1; GENERAL INFORMATION: APPLICANT: La Rosa, Thomas J. APPLICANT: Zhou, Yihua APPLICANT: Cao, Yongwei; APPLICANT: Wu, Wei
                                                                                                                                                                                                                                                                                                                                                        87.5%;
       NUMBER OF SEQ ID NOS: 285684
SEQ ID NO 192048
LENGTH: 70
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Matches 6; Conservative
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ORGANISM: Oryza sativa
                                                                                                                  TYPE: PRT
ORGANISM: Glycine max
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Matches 6; Conserv
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US-10-437-963-142504
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APPLICANT:
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APPLICANT:
APPLICANT:
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APPLICANT: La Rosa Thomas J
APPLICANT: La Rosa Thomas J
APPLICANT: La Rovalic David K
APPLICANT: Zhou Yihua
APPLICANT: Caro Yongwei
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(53223)B
CURRENT APPLICATION NUMBER: US/10/424,599
CURRENT FILING DATE: 2003-04-28
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OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 0.95

OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.6

OTHER INFORMATION: EXPRESSED IN BLAIO, SIGNAL = 1.1

OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.97

OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.92
US-09-864-761-42760
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85.7%; Pred. No. 2.7e+02;
ive 0; Mismatches 1; Indels
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-08-03
PRIOR FILING DATE: 2000-09-07
PRIOR PLING DATE: 2000-09-07
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR APPLICATION NUMBER: PCT/US01/00660
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR APPLICATION NUMBER: US 09/608,408
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 09/774,203
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Publication No. US20040031072A1
GENERAL INFORMATION:
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Best Local Similarity 85.7
Matches 6; Conservative
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        32 ĠĠYĠĎĠĠ 38
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APPLICANT: La Rosa, Thomas J.
APPLICANT: La Rosa, Thomas J.
APPLICANT: La Rosa, Thua
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Wu, Wei
APPLICANT: Wu, Wei
APPLICANT: Boukharov, Andrey A.
APPLICANT: Boukharov, Andrey A.
APPLICANT: Li, Ping
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(5321)B
CURRENT APPLICATION NUMBER: US/10/437,963
CURRENT FILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
SEQ ID NO 153974
LENGTH: 96
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TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(53221)B
CURRENT APPLICATION NUMBER: US/10/437,963
CURRENT FILING DATE: 2003-05-14
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                                                                                                                                                      87.5%; Score 35; DB 4; Length 92;
85.7%; Pred. No. 4e+02;
ive 0; Mismatches 1; Indels
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85.7%; Pred. No. 4.2e+02;
iive 0; Mismatches 1; Indels
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US-10-437-963-153974
                                                                                  ) OTHER INFORMATION: Clone ID: MRT4577_10828C.1.pep
US-10-425-115-193758
                            LOCATION: (1)..(92)
OTHER INFORMATION: unsure at all Xaa locations
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                    Sequence 153974, Application US/10437963 Publication No. US20040123343A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      , Sequence 129822, Application US/10437963
, Publication No. US20040123343A1
, GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Wu, Wei
APPLICANT: Boukharov, Andrey A.
APPLICANT: Barbazuk, Brad
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQ ID NOS: 2003-0:
SEQ ID NO 129822
LENGTH: 97
                                                                                                                                                                          Best Local Similarity 85.7
Matches 6; Conservative
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Matches 6; Conservative
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ORGANISM: Oryza sativa
                                                                                                                                                                                                                                                                            77 GGAGDGG 83
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      NAME/KEY: unsure
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US-10-437-963-129822
                                                                                                                                                        Query Match
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US-10-424-599-184457

Sequence 184457, Application US/10424599

Publication No. US2040031072A1

GENERAL INFORMATION:

APPLICANT: La Rosa Thomas J

APPLICANT: Zhou Yihua

APPLICANT: Cao Yongwei

TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With

TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement

TITLE OF INVENTION: 2003-04-28

CURRENT APPLICANION NUMBER: US/10/424,599

CURRENT PILING DATE: 2003-04-28

NUMBER OF SEQ ID NOS: 285684

LENGTH: 86
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US-10-425-115-193758
US-10-425-115-193758
Sequence 193758, Application US/10425115
Sequence 193758, Application US/10425115
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Cavalic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Zhou, Yihua
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants
FILE REFERENCE: 38-21(5322) B
CURRENT APPLICATION NUMBER: US/10/425,115
CURRENT ELLING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 369326
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Pred. No. 3.8e+02;
                                                                                                                                                                          Length 84;
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; OTHER INFORMATION: Clone ID: PAT_MRT3847_137580C.1.pep
US-10-424-599-184457
                                                                                  ; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_43504C.1.pep
US-10-437-963-142504
                                                                                                                                                                        Score 35; DB 4;
Pred. No. 3.7e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LOCATION: (1)..(86)
OTHER INFORMATION: unsure at all Xaa locations
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85.7%; Pred. No. 5...
0; Mismatches
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Best Local Similarity 85.7%
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                                          TYPE: PRT
ORGANISM: Oryza sativa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Glycine max
                                                                                                                                                                                                                                                                                                  60 GGTGDGG 66
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Best Local Similarity
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ORGANISM: Zea mays
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; SEQ ID NO 142504
; LENGTH: 84
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LENGTH: 92
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Salar Contraction

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Ouery Match
Best Local Similarity 85,7,
اتام 6, Conservative
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Best Local Similarity 71.4.
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ORGANISM: Oryza sativa
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88 GGVGEGG 94
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US-10-424-599-200912
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Fublication No. US20040214272A1
Fublication No. US20040214272A1
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: La Rosa, Thomas J.
APPLICANT: Chou, Yihua
APPLICANT: Cao, Yongwei
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: NUMBER: US/10/425,115
CURRENT APPLICATION NUMBER: US/10/425,115
CURRENT APPLICATION NUMBER: US/10/425,115
SEQ ID NO 189769
SEQ ID NO 189769
SEQ ID NO 189769
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 42596, Application US/10767701
; Sequence 42596, Application US/10767701
; Publication No. US20040172684A1
; GarberAL INFORMATION:
   APPLICANT: Kovalic, David K.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof For Plant Improvement
; FILE REFERENCE: 38-21(5353)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT PILING DATE: 2004-01-29
; SEQ ID NO 42596
; SEQ ID NO 42596
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85.7%; Pred. No. 4.3e+02;
tive 0; Mismatches 1; Indels
                                                                                                                                                                                                                Length 97;
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                                                                                                                                          ; OTHER INFORMATION: Clone ID: PAT_MRT4530_32041C.1.pep
US-10-437-963-129822
                                                                                                                                                                                                           Query Match 87.5%; Score 35; DB 4; I Best Local Similarity 85.7%; Pred. No. 4.2e+02; Matches 6; Conservative 0; Mismatches 1;
                     FEATURE:
NAME/KEY: unsure
LOCATION: (1)..(97)
FEATURE INFORMATION: unsure at all Xaa locations
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LOCATION: (1)..(100)
OTHER INFORMATION: unsure at all Xaa locations
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Matches 6; Conservative
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ORGANISM: Oryza sativa
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ORGANISM: Zea mays
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US-10-767-701-42596
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GENERAL INFORMATION:

APPLICANT: La Rosa, Thomas J.

APPLICANT: La Rosa, Thomas J.

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Wu, Wei

APPLICANT: Boukharov, Andrey A.

APPLICANT: Bukharov, Andrey A.

APPLICANT: Bi, Ping

TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With

TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 200912, Application US/10424599

Publication No. US20040031072A1

GENERAL INFORMATION:

GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: La Rosa Thomas J

APPLICANT: Zoa Yongwei

TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With

TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement

TITLE OF INVENTION: 105123)B

CURRENT APPLICATION NUMBER: US/10/424,599

CURRENT FILING DATE: 2003-04-28

NUMBER OF SEQ ID NOS: 285684

SEQ ID NO 200912
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                                                                                                                                                               Length 108;
                                                                                                                                                                                                                1; Indels
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US-10-424-599-200912
                                                                       ; OTHER INFORMATION: Clone ID: MRT4577_104653C.1.pep
US-10-425-115-189769
                                                                                                                                                            87.5%; Score 35; DB 4;
85.7%; Pred. No. 4.6e+02;
LOCATION: (1)...(108)
OTHER INFORMATION: unsure at all Xaa locations
FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; Sequence 140184, Application US/10437963 ; Publication No. US20040123343A1 ; GENERAL INFORMATION:
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RESULT 50
103-10-425-115-188673
15 Sequence 188673, Application US/10425115
15 Publication No. US20040214272A1
15 GENERAL INFORMATION:
16 APPLICANT: La Rosa, Thomas J.
17 APPLICANT: Zhou, Yihua
17 TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
17 TITLE OF INVENTION: Plants
17 TITLE OF INVENTION: Plants
18 FILE REPERENCE: 38-21(53.22) B
17 CURRENT APPLICATION NUMBER: US/10/425,115
18 CURRENT FILING DATE: 2003-04-28
18 NUMBER OF SEQ ID NOS: 369326
19 SEG ID NO 188673
10 LENGTH: 133
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; LOCATION: (1)...(128)
; OTHER INFORMATION: unsure at all Xaa locations
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; OTHER INFORMATION: Clone ID: PAT_MRT4530_41406C.1.pep
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; OTHER INFORMATION: unsure at all Xaa locations
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US-11-108-172-1117
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US-11-108-172-1118
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Maximum Match 100%
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APPLICANT: RATCLIFE, OLIVER
APPLICANT: REPETI, Peter
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APPLICANT: REPETI, Peter
APPLICANT: GUTTERSON, Roderick W
APPLICANT: GUTTERSON, Roderick W
APPLICANT: GUTTERSON, Neal I
APPLICANT: SHERMAN, Bradley K
TITLE OF INNEURINO: PLANT TRANSCRIPTIONAL REGULATORS OF DROUGHT STRESS
FILE REPERSNCE: MAION NUMBER: US/10/714,887
CURRENT APPLICATION NUMBER: US/10/714,887
FILE REPERSNCE: MAION BATE: 2003-04-10
PRIOR APPLICATION NUMBER: 05/505,720
PRIOR FILING DATE: 2000-02-17
PRIOR FILING DATE: 1999-05-20
PRIOR FILING DATE: 2000-03-22

PRIOR FILING DATE: 2000-03-22
PRIOR APPLICATION NUMBER: 09/533,030
PRIOR FILING DATE: 2000-03-22
PRIOR PELING DATE: 1999-03-22
PRIOR PELING DATE: 1999-03-23
PRIOR APPLICATION NUMBER: 60/125,814
PRIOR APPLICATION NUMBER: 09/713,994
PRIOR FILING DATE: 2000-11-16
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ 1D NOS: 430
SOFTWARE: PatentIn version 3.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     87.5%; Score 35; DB 6; Length 228;
85.7%; Pred. No. 49;
iive 0; Mismatches 1; Indels
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OTHER INFORMATION: G3644 polypeptide Orthologous to G47
                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
ORGANISM: Oryza sativa (japonica cultivar-group)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Mendel Biotechnology, Inc. APPLICANT: HEARD, Jacqueline APPLICANT: RECHMANN, Jose Luis APPLICANT: REELMAN, Robert APPLICANT: RATCLIFFE, Oliver
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; Sequence 100, Application US/10714887; Publication No. US20060015972A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity 85.7
Matches 6; Conservative
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LENGTH: 228
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APPLICANT: Labat, Ivan
APPLICANT: Stache-Crain, Birgit
APPLICANT: Andarmani, Susan
APPLICANT: Tang, Y. Tom
TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
FILE REFERENCE: 821A
CURRENT PILING DATE: 2004-04-07
PRIOR PILING DATE: 2003-04-07
PRIOR FILING DATE: 2003-04-07
NUMBER OF SEQ ID NOS: 1704
SOFTWARE: pt SEQ_genes Version 1.0
SEQ ID NO 889
LENGTH: 544
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TITLE OF INVENTION: PLANT TRANSCRIPTIONAL REGULATORS OF DROUGHT STRESS
FILLE REPERENCE: MBJ0058-CIP
CURRENT APPLICATION NUMBER: US/10/714,887
CURRENT FILING DATE: 2003-11-13
PRIOR APPLICATION NUMBER: 10/412,699
PRIOR APPLICATION NUMBER: 09/506,720
PRIOR APPLICATION NUMBER: 09/506,720
PRIOR PILING DATE: 2000-02-17
PRIOR PILING DATE: 2000-02-17
PRIOR FILING DATE: 1999-05-20
PRIOR FILING DATE: 1999-09-13
PRIOR PLILING DATE: 2000-03-22
         Sequence 15, Appl
Sequence 345, App
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Pred. No. 27;
1; Mismatches 0; Indels
            US-10-948-053-15
US-10-957-351-345
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APPLICANT: HEARD, Jacqueline
APPLICANT: RIECHMANN, Jose Luis
                                                                                                                                                                                                                                                                                       Sequence 889, Application US/10821234 Publication No. US20050255114A1 GENERAL INFORMATION:
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Publication No. US20060015972A1
GENERAL INFORMATION:
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RIECHMANN, Jose Luis
CREELMAN, Robert
RATCLIFFE, Oliver
CANALES, Roger
REPETTI, Peter
KUMMOTO, Roderick W
GUTTERSON, Neal
REUBER, T. Lynne
PINEDA, Omaira
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Best Local Similarity 85.7
Matches 6; Conservative
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US-10-821-234-889
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SOFWARE: Patentin version 3.3
SEQ ID NO 155
LENGTH: 731
Query Match
Best Local Similarity 100.
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Best Local Similarity 71.4
Matches 5; Conservative
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Publication No. US20050288866A1
GENERAL INFORMATION
GENERAL INFORMATION
GENERAL INFORMATION:
TITLE OF INVENTION: PROTIENS OF THERAPEUTIC POTENTIAL
TITLE OF INVENTION: PROTIENS OF THERAPEUTIC POTENTIAL
FILE SEFERENCE: 30853/40359A
CURRENT APPLICATION NUMBER: US/11/052,554A
CURRENT FILING DATE: 2005-02-07
PRIOR PLING DATE: 2005-02-07
PRIOR PLING DATE: 2004-07-20
PRIOR PLING DATE: 2004-07-20
PRIOR PLING DATE: 2004-07-30
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Pred. No. 2.1e+02;
0; Mismatches 1; Indels
                                                                                                         87.5%; Score 35; DB 6; Length 233, 85.7%; Pred. No. 50;
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                            FEATURE:
CTHER INFORMATION: G3651 polypeptide Orthologous to G47
US-10-714-887-100
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APPLICANT: ENERSON, SARAH JANE
APPLICANT: GRIGON, MURRAY ROBERT
APPLICANT: HIGGINS, COLLEEN M.
APPLICANT: HIGGINS, COLLEEN M.
APPLICANT: MAGUSIN, ANDREAS
APPLICANT: KODEZYCKI, BOB
TITLE OF INVENTION: CELL CYCLE GENES AND RELATED METHODS
FILE REFERENCE: 044463-0360
          ORGANISM: Oryza sativa (japonica cultivar-group)
                                                                                                                                                0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT ORGANISM: Mycobacterium tuberculosis H37Rv
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CURRENT FILING DATE: 2004-12-30
PRIOR APPLICATION NUMBER: 60/533,036
PRIOR FILING DATE: 2003-12-30
NUMBER OF SEQ ID NOS: 782
SOFTWARE: Patentin version 3.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 520, Application US/11024959
Publication No. US20060010516A1
GENERAL INFORMATION:
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85.7%;
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                                                                                                       Query Match 87.5
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 85.7
Matches 6; Conservative
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; ORGANISM: Eucalyptus sp
US-11-024-959-520
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US-11-024-959-520
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LENGTH: 1079
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LENGTH: 669
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Sequence 155, Application US/11052554A

Publication No. US2005028866A1

GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: COMPUTATIONAL METHOD FOR IDENTIFYING ADHESIN AND ADHESIN-LIKE
TITLE OF INVENTION: PROTRING OF THERAPEUTIC POTENTIAL
TITLE OF INVENTION: PROTRING OF THERAPEUTIC POTENTIAL
TITLE OF INVENTION NUMBER: US/11/052,554A
CURRENT APPLICATION NUMBER: US 60/589,227
PRIOR APPLICATION NUMBER: IN 173/DEL/2004
PRIOR APPLICATION NUMBER: IN 173/DEL/2004
PRIOR APPLICATION NUMBER: IN 173/DEL/2004
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APPLICANT: Smith, Carole L.
APPLICANT: King, Gordon E.
APPLICANT: King, Gordon E.
APPLICANT: King, Gordon E.
APPLICANT: Rang, Aijun
APPLICANT: Clapper, Jonathan D.
APPLICANT: Skeiky, Yasir A. W.
APPLICANT: Skeiky, Yasir A. W.
APPLICANT: Gordon Cary R.
APPLICANT: Carter, Darrick
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
TITLE OF INVENTION: COCCOLON CANCER AND METHODS FOR THEIR USE
TITLE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE
CURRENT APPLICANTION NUMBER: US/11/108,172
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      Length 669;
                                                         0; Indels
Score 34; DB 7; L
; Pred. No. 1.9e+02;
                                                               Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; ORGANISM: Mycobacterium tuberculosis H37Rv US-11-052-554A-155
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PRIOR APPLICATION NUMBER: US 10/025,380
PRIOR FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: US 09/922,217
PRIOR FILING DATE: 2001-08-03
PRIOR APPLICATION NUMBER: US 09/833,263
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Publication No. US20050260177A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Xu, Jiangchun
APPLICANT: Lodes, Michael J.
APPLICANT: Secrist, Heather
APPLICANT: Benson, Darin R.
APPLICANT: Meagher, Madeleine Joy
APPLICANT: Stolk, John A.
APPLICANT: Wang, Tongtong
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OTSUKA, KAORU
NAGAI, KEIICHI
IRIE, RYOTARO
TAMECHIKA, ICHIRO
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Best Local Similarity 85.7
Matches 6; Conservative
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; ORGANISM: Homo sapiens
US-11-079-900-1
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ORGANISM: Homo sapiens
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Best Local Similarity
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APPLICANT:
APPLICANT:
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PRIOR FILING DATE: 2001-04-10
PRIOR APPLICATION NUMBER: US 09/649,811
PRIOR APPLICATION NUMBER: US 09/609,448
PRIOR FILING DATE: 2000-06-29
PRIOR FILING DATE: 2000-06-29
PRIOR PILING DATE: 2000-06-29
PRIOR PILING DATE: 2000-06-29
PRIOR PILING DATE: 2000-05-30
PRIOR PILING DATE: 2000-05-30
PRIOR PILING DATE: 2000-03-06
PRIOR PILING DATE: 2000-02-15
PRIOR PILING DATE: 2000-01-06
PRIOR PILING DATE: 2000-01-06
PRIOR PILING DATE: 2000-01-06
PRIOR PILING DATE: 2000-01-06
PRIOR PILING DATE: 1099-12-30
PRIOR PILING DATE: 1090-12-30
PRIOR PILING DATE: 1090-12-30
PRIOR PILING DATE: 1099-12-30
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PRIOR PILING DATE: 1090-12-30
PRIOR PILING DATE: 1090-12-30
PRIOR PILING DATE: 1000-01-10
PRIOR PILING DAT
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CURRENT APPLICATION NUMBER: US/11/108,172
CURRENT FILING DATE: 2005-04-15
PRIOR APPLICATION NUMBER: US 09/922,217
PRIOR PILING DATE: 2001-08-03
PRIOR FILING DATE: 2001-04-10
PRIOR APPLICATION NUMBER: US 09/649,811
PRIOR FILING DATE: 2000-08-28
PRIOR FILING DATE: 2000-08-28
PRIOR FILING DATE: 2000-06-29
PRIOR FILING DATE: 2000-06-29
PRIOR APPLICATION NUMBER: US 09/609,448
PRIOR FILING DATE: 2000-06-29
PRIOR APPLICATION NUMBER: US 09/609,448
PRIOR FILING DATE: 2000-06-29
PRIOR APPLICATION NUMBER: US 09/675,251
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19-11-108-172-1118
Sequence 1118, Application US/11108172
Publication No. US2005026017A1
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Lodes, Michael J.
APPLICANT: Benson, Darin R.
APPLICANT: Meagher, Madeleine Joy
APPLICANT: Scolk, John A.
APPLICANT: Stolk, John A.
APPLICANT: Stolk, John A.
APPLICANT: Stolk, John A.
APPLICANT: Yuniu
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APPLICATION NUMBER: US 09/519,444
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Smith, Carole L.
King, Gordon E.
Wang, Aljun
Clapper, Jonathan D.
Skeiky, Yasir A. W.
Fanger, Gary R.
Vedvick Thomas S.
Carter, Darrick
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Best Local Similarity 85.7
Matches 6; Conservative
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ORGANISM: Homo sapiens
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APPLICANT:
APPLICANT:
APPLICANT:
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PRICE APPLICATION NUMBER: US 09/500.221
PRICE APPLICATION NUMBER: US 09/400.321
PRESENT STATE OF US 09/400.321
PRESENT STATE S
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Sequence 62, Application US/11057012

Publication No. USCO060026705A1

GENERAL INFORMATION:

APPLICANT: Minney, Authony J.

APPLICANT: Liu, Zhan-Bin

APPLICANT: Liu, Zhan-Bin

APPLICANT: Stecca, Kevin L.

ITILE OF INVENTION: Plant Amino Acid Biosynthetic Enzymes

FILE REFERENCE: BB1116 US CIP - 1

CURRENT APPLICATION NUMBER: 09/931,457

PRIOR PILING DATE: 2001-08-16

PRIOR PILING DATE: 1999-12-02

PRIOR PILING DATE: 1999-12-02

PRIOR PILING DATE: 1997-11-12

PRIOR PILING DATE: 1997-11-12

PRIOR PILING DATE: 1997-16-12

PRIOR PILING DATE: 1997-16-12

PRIOR PILING DATE: 1997-06-12

NUMBER OF SEQ ID NOS: 94

SOFTWARR: Microsoft Office 97

INDOMETAL MICROSOFT Office 97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           82.5%; Score 33; DB 7; Length 394;
85.7%; Pred. No. 1.7e+02;
ive 0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                ORGANISM: Glycine max
PUBLICATION INFORMATION:
TITLE New Recombinant DNA CONStruct
DATABASE ACCESSION NUMBER: USPNTALL / SEQ ID NO:129998
DATABASE ENTRY DATE: 2004-10-07
PATENT DOCUMENT NUMBER: US-2004-19
PUBLICATION DATE: 2004-06-24
RELEVANT RESIDUES: (1)..(394)
                            CURRENT APPLICATION NUMBER: US/11/057,012
CURRENT FILING DATE: 2005-02-11
PRIOR APPLICATION NUMBER: 09/931,457
PRIOR FILING DATE: 2001-08-16
PRIOR APPLICATION NUMBER: 09/424,976
PRIOR APPLICATION NUMBER: 09/424,976
PRIOR APPLICATION NUMBER: 60/065,385
PRIOR FILING DATE: 1999-12-02
PRIOR PILING DATE: 1997-11-12
PRIOR PILING DATE: 1997-06-12
NUMBER OF SEQ ID NOS: 94
SOFTWARE: Microsoft Office 97
SEQ ID NO 92
               FILE REFERENCE: BB1116 US CIP - 1
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Best Local Similarity 85.7
Matches 6; Conservative
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Best Local Similarity 85.7
Matches 6; Conservative
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APPLICANT: CHIRON SpA
APPLICANT: FONTANA Maria Rita
APPLICANT: FONTANA Maria Rita
APPLICANT: MASIGNANI Vega
APPLICANT: MASIGNANI Vega
APPLICANT: MONACI Elisabetta
TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
FILE REPRENCE:
CURRENT PILING DATE: 2003-08-11
PRIOR PILING DATE: 2001-02-12
NUMBER: OF SEQ ID NOS: 9218
SOFTWARE: Seqwin99, version 1.04
SEQ ID NO 7086
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 33; DB 7; Length 131;
Pred. No. 60;
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Pred. No. 68;
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APPLICANT: Kinney, Anthony J.
APPLICANT: Liu, Zhan-Bin
APPLICANT: Steeca, Kevin L.
TITLE OF INVENTION: Plant Amino Acid Biosynthetic Enzymes
APPLICANT: SEKI, NAOHIKO
APPLICANT: VOSHIKAWA, TSUTOMU
APPLICANT: OYSHIKAWA, TSUTOMU
APPLICANT: NAGAHARI, KENJI
APPLICANT: NAGAHARI, KENJI
TITLE OF INVENTION: NOVEL full length cDNA
FILE REPERBNCE: 084335-0191
CURRENT APPLICATION NUMBER: US/11/072,512
CURRENT PILING DATE: 2005-03-07
PRIOR FILING DATE: 2005-03-07
PRIOR FILING DATE: 2002-01-25
PRIOR PILING DATE: 2001-11-05
NUMBER OF SEQ ID NOS: 4096
SOFTWARE: PATENTI VET: 2.1
SOFTWARE: PATENTI VET: 2.1
SOFTWARE: PATENTI VET: 2.1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1; Mismatches
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Publication No. US20050260581A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 92, Application US/11057012
Publication No. US20060026705A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-7086
                                                                                                                                                                                                                                                                                                                                                                                                                                                           82.5%;
71.4%;
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85.7%;
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Best Local Similarity 71...
5; Conservative
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Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                             Homo sapiens
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ORGANISM:
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Sequence 40, Application US/10131826A Publication No. US20050245730A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                            Smith, Victoria
Stewart, Timothy A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Watanabe, Colin K
Wood, William
                                                                                                                                                                                                                                                                                        Gerritsen, Mary E.
                                                                                             APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
                                                                                                                                                                                              Desnoyers, Luc
Filvaroff, Ellen
Gao, Wei-Qiang
                                                                                                                                                                                                                                                                                                                                                     Godowski, Paul J.
Gurney, Austin L.
                                                                                                                                                                                                                                                                                                                                                                                                               Sherwood, Steven
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                        Goddard, Audrey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Tumas, Daniel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
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482 GVGDGG 487
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15 Sequence 9, Application US/11230180

15 Sequence 90, Application US/11230180

16 Publication No. US20060035263A1

17 GENERAL INFORMATION:

18 APPLICANT: Woolf, Clifford J.

18 APPLICANT: Samed, Tarek A.

18 TILE POF INVENTION: DRG11-RESPONSIVE (DRAGON) GENE FAMILY

18 FILE REPERENCE: 00786/419002

19 CURRENT APPLICATION NUMBER: US/11/230,180

10 CURRENT FILING DATE: 2005-09-19

10 PRIOR FILING DATE: 2003-04-17

11 PRIOR FILING DATE: 2002-04-18

12 PRIOR FILING DATE: 2002-04-18

13 NUMBER: OF SEQ ID NOS: 32

14 SEQ ID NO 9

15 LENGTH: 426

16 MINDER THAN TO BE THE THAN TO SECOND T
                                                                                                                                                                                                                    APPLICANT: Kinney, Sachan M.
APPLICANT: Kinney, Anthony J.
APPLICANT: Liu, Zhan-Bin
APPLICANT: Liu, Zhan-Bin
APPLICANT: Liu, Zhan-Bin
APPLICANT: Stecca, Kevin L.
TITLE OF INVENTION: Plant Amino Acid Biosynthetic Enzymes
FILE REFERENCE: BB1116 US CIP - 1
CURRENT APPLICATION NUMBER: US/11/057,012
CURRENT APPLICATION NUMBER: 09/931,457
PRIOR APPLICATION NUMBER: 09/931,457
PRIOR PILING DATE: 1999-12-02
PRIOR PLILNG DATE: 1999-12-02
PRIOR PLILNG DATE: 1999-11-12
PRIOR PLILNG DATE: 1999-11-12
PRIOR PLILNG DATE: 1997-06-12
NUMBER: OF SEQ ID NOS: 94
SEQ ID NOS: 94
LENGTH: 415
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 33; DB 7; Length 415;
Pred. No. 1.7e+02;
0; Mismatches 1; Indels
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                                                                                                ; Sequence 64, Application US/11057012; Publication No. US20060026705A1; GENERAL INFORMATION:
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Best Local Similarity 85.7
Matches 6; Conservative
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; ORGANISM: Oryza sativa
US-11-057-012-64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; ORGANISM: Mus musculus US-11-230-180-9
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Best Local Similarity
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US-10-131-826A-40
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APPLICANT: Zhang, Zemin

APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3330R1C128

CURRENT FILING DATE: 202-04-24

FRIOR APPLICATION NUMBER: 60/049911

PRIOR APPLICATION NUMBER: 60/05974

PRIOR APPLICATION NUMBER: 60/05913

PRIOR PLING DATE: 1997-06-18

PRIOR APPLICATION NUMBER: 60/059113

PRIOR PLING DATE: 1997-09-17

PRIOR PLING DATE: 1997-09-19

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Pred. No. 2.5e+02;
1; Mismatches 0; Indels
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Gaps
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85.7%; Pred. No. 6.3e+02;
iive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 23, Application US/11044111
Publication No. US2005027236241
GENERAL INFORMATION:
APPLICANT: Chiang, Wen
APPLICANT: Linz, John
TITLE OF INVENTION: Genetic Test for PSE-Susceptible Turkeys
FILE REFERENCE: MSU-09308
CURRENT APPLICATION NUMBER: US/11/044,111
CURRENT FILING DATE: 2005-01-27
NUMBER OF SEC ID NOS: 27
SOFTWARE: Patentin version 3.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 33; DB 7; Length 3375;
Pred. No. 1.2e+03;
0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 3590, Application US/10467657
Publication No. US20050260581A1
GENERAL INFORMATION:
APPLICANT: CHIRON Maria Rita
APPLICANT: PIZZA Mariagrazia
APPLICANT: PIZZA Mariagrazia
APPLICANT: MASIGNANI Vega
APPLICANT: MONACI Elisabetta
TITLE OF INVERTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
FILE REFERENCE:
                                                                                                                                                        TYPE: PRT / ORGANISM: Mycobacterium tuberculosis H37Rv US-11-052-554A-137
        PRIOR FILING DATE: 2004-07-20
PRIOR APPLICATION NUMBER: IN 173/DEL/2004
PRIOR FILING DATE: 2004-02-06
NUMBER OF SEQ ID NOS: 763
SOFTWARE: Patentin version 3.3
SEQ ID NO 137
LENGTH: 1660
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION NUMBER: US/10/467,657
CURRENT FILING DATE: 2003-08-11
PRIOR PILING DATE: 2003-08-12
NUMBER OF SEQ ID NOS: 9218
SOFTWARE: SeqWin99, version 1.04
LENGTH: 91
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US-10-467-657-3590
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; ORGANISM: Meleagris gallopavo
US-11-044-111-23
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Best Local Similarity 85./r
Then 6; Conservative
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Best Local Similarity 85.7
Matches 6, Conservative
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TITLE OF INVENTION: COMPUTATIONAL METHOD FOR IDENTIFYING ADHESIN AND ADHESIN-LIKE
TITLE OF INVENTION: PROTEINS OF THERAPEUTIC POTENTIAL
FILE REFERENCE: 30853/40359A
CURRENT APPLICATION NUMBER: US/11/052,554A
CURRENT FILING DATE: 2005-02-07
PRIOR APPLICATION NUMBER: US 60/589,227
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                                                                                                                                                                                                                                                                                                                                         Score 33; DB 7; Length 648;
Pred. No. 2.6e+02;
1; Mismatches 0; Indels
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APPLICANT: MAGUSIN, ANDREAS
APPLICANT: KODRZYCKI, BOB
TITLE OF INVENTION: CELL CYCLE GENES AND RELATED METHODS
FILE REPERENCE: 044463-0360
CURRENT APPLICATION NUMBER: US/11/024,959
CURRENT FILING DATE: 2004-12-30
PRIOR APPLICATION NUMBER: 60/533,036
PRIOR PELLING DATE: 2003-12-30
NUMBER OF SEQ ID NOS: 782
SOFTWARE: PALENTIN version 3.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 33; DB 7; I
Pred. No. 3.2e+02;
0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 113, Application US/11037243
Publication No. US20050287546A1
GERREAL INFORMATION:
APPLICANT: PLOWMAN, GREGORY
APPLICANT: PLOWMAN, GREGORY
APPLICANT: CARNEDEEL, SEAN
APPLICANT: CARNEDEEL, SEAN
APPLICANT: CHARYDCZAK, GLEN
APPLICANT: SUDARSANAM, SUCHA
TITLE OF INVENTION: NOVEL PROTEASES
TITLE OF INVENTION: NOVEL PROTEASES
FILE REFERENCE: 038602/1214
CURRENT FILING DATE: 2005-05-26
FRIOR APPLICATION NUMBER: US/19/09/888,615
PRIOR FILING DATE: 2001-06-26
FRIOR FILING DATE: 2000-06-26
NUMBER OF SEQ ID NOS: 150
SOFTWARE: PALENTIN VET. 2010-06-26
NUMBER OF SEQ ID NOS: 150
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US-11-052-554A-137
Sequence 137, Application US/11052554A
; Publication No. US20050288866A1
; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
ORGANISM: Homo sapiens
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Best Local Similarity
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Best Local Similarity
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1; Mismatches
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Publication No. US20050272650A1
GENERAL INFORMATION:
APPLICANT: University of South Florida
APPLICANT: Mohapatra, Shyam
PRIOR APPLICATION NUMBER: 09/533,029
PRIOR FILING DATE: 2000-03-22
PRIOR PAPLICATION NUMBER: 09/532,591
PRIOR PAPLICATION NUMBER: 09/533,030
PRIOR APPLICATION NUMBER: 09/533,030
PRIOR PAPLICATION NUMBER: 60/125,814
PRIOR FILING DATE: 1999-03-23
PRIOR PAPLICATION NUMBER: 09/713,994
PRIOR FILING DATE: 1999-03-23
PRIOR APPLICATION NUMBER: 09/713,994
                                                                                                                                                                                                                                                                                                                                                                                                  OTHER INFORMATION: G3674 polypeptide US-10-714-887-110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; Sequence 167, Application US/11052554A
; Publication No. US20050288866A1
; GENERAL INFORMATION:
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71.4%;
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SOFTWARE: Patentin version 3.3
SEQ ID NO 167
LENGTH: 434
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Best Local Similarity 71.4
Matches 5; Conservative
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US-11-059-814-20
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LENGTH: 290
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TITLE OF INVENTION: PLANT TRANSCRIPTIONAL REGULATORS OF DROUGHT STRESS
FILE REFERENCE: MB10058-CIP
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Score 32; DB 6; Length 91;
Pred. No. 60;
1; Mismatches 1; Indels
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Publication No. US20050260581A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: CHIRON SpA
APPLICANT: FONTANA Maria Rita
APPLICANT: MASIGNANI Vega
APPLICANT: MASIGNANI Vega
APPLICANT: MASIGNANI Vega
APPLICANT: MONOTI Elisabetta
TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION NUMBER: US/10/467,657
CURRENT FILING DATE: 2003-08-11
PRIOR APPLICATION NUMBER: GB-0103424.8
PRIOR FILING DATE: 2001-02-12
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Pred. No.
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GENERAL INFORMATION:
APPLICANT: Mendel Biotechnology, Inc.
APPLICANT: MERRD, Jacqueline
APPLICANT: RIECHMANN, Jose Luis
APPLICANT: REELMAN, Robert
APPLICANT: RATCLIFFE, Oliver
APPLICANT: RATCLIFFE, Oliver
APPLICANT: REPETTI, Peter
APPLICANT: RUMINOYO, ROGERICK W
APPLICANT: RUMINOYO NOGERICK W
APPLICANT: RUMINOYO NOGERICK W
APPLICANT: RUMINON, OMBITA
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PRIOR PELING DATE: 2003-04-10
PRIOR APPLICATION NUMBER: 09/506,720
PRIOR PELING DATE: 2000-02-17
PRIOR APPLICATION NUMBER: 60/135,134
PRIOR FILING DATE: 1999-05-20
PRIOR FILING DATE: 1999-09-13
PRIOR FILING DATE: 1999-09-13
PRIOR FILING DATE: 2000-03-22
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Publication No. US20060015972A1
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SOFTWARE: SeqWin99, version 1.04
SEQ ID NO 6440
LENGTH: 91
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ORGANISM: Neisseria gonorrhoeae
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71.4%;
         80.0%;
71.4%;
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Matches 5, Conservative
         Query Match 80.0
Best Local Similarity 71.4
Matches 5; Conservative
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US-10-467-657-6440
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US-10-714-887-110
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APPLICANT: Sachdeva, et al.

TITLE OF INVENTION: COMPUTATIONAL METHOD FOR IDENTIFYING ADHESIN AND ADHESIN-LIKE
TITLE OF INVENTION: PROTEINS OF THERAPEUTIC POTENTIAL
TITLE OF INVENTION: PROTEINS OF THERAPEUTIC POTENTIAL
CURRENT APPLICATION NUMBER: US/11/052,554A
CURRENT APPLICATION NUMBER: US 60/589,227
PRIOR PILING DATE: 2004-07-20
PRIOR FILING DATE: 2004-07-20
PRIOR FILING DATE: 2004-07-20
PRIOR FILING DATE: 2004-07-20
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TITLE OF INVENTION: Materials and Methods for Treatment of Inflammatory and Cell
TITLE OF INVENTION: Proliferation Disorders
FILE REFERENCE: USF-215PTCZ
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Remaining Prior Application data removed - See File Wrapper or PALM. NUMBER OF SEQ ID NOS: 430 SOFTWARE: PatentIn version 3.2
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Pred. No. 1.8e+02;
1; Mismatches 1; Indels
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85.7%; Pred. No. 2.6e+02;
iive 0; Mismatches 1.
                                                                                                                                                 TYPE: PRT
ORGANISM: Oryza sativa (indica cultivar-group)
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US-11-052-554A-150

Sequence 150, Application US/11052554A

Sequence 150, Application US/11052554A

Sequence 150, Application No. US20050288866A1

Sequence 150, Application No. US20050288866A1

SERICANT: Sachdeva, et al.

TITLE OF INVENTION: COMPUTATIONAL METHOD FOR IDENTIFYING ADHESIN AND ADHESIN-LIKE

TITLE OF INVENTION: PROTEINS OF THERAPEUTIC POTENTIAL

CURRENT APPLICATION NUMBER: US/11/052,554A

CURRENT FILING DATE: 2004-07-20

PRIOR FILING DATE: 2004-07-20

PRIOR PRIOR APPLICATION NUMBER: UN 173/DEL/2004

PRIOR FILING DATE: 2004-02-06

NUMBER OF SEQ ID NOS: 763

SOFTWARE PATENTIN VERSION 3.3

SEQ ID NO 150

LENGTH: 618
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Publication No. US20050257289A1

GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Gordon-Kamm, William
APPLICANT: Gordon-Kamm, William
APPLICANT: Lowe, Keith
APPLICANT: Lowe, Keith
APPLICANT: Arczynski, Mitchell
APPLICANT: Zheng, Peizhong
APPLICANT: Zheng, Peizhong
APPLICANT: APPLICANT and Methods of Use
FILE REFERENCE: 035718/286074
FILE REFERENCE: 035718/286074
CURRENT FILING DATE: 2005-01-28
FRIOR APPLICATION NUMBER: 60/541,122
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                                                                           Length 558;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   80.0%; Score 32; DB 7; Length 618; 85.7%; Pred. No. 3.6e+02; ive 0; Mismatches 1; Indels
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                                                                           Score 32; DB 6; 1
Pred. No. 3.3e+02;
                                                                     Query Match 80.0%; Score 32; DB Best Local Similarity 85.7%; Pred. No. 3.3e Matches 6; Conservative 0; Mismatches
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SOFWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 22
LENGTH: 710
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Best Local Similarity 85.7
Matches 6; Conservative
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             US-10-504-364-4
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; Publication No. US2050287158A1
; GENERAL INFORMATION:
; APPLICANT: Georgetown University
; APPLICANT: Georgetown University
; APPLICANT: Jung, Mira
TITLE OF INVENTION: The p65 subunit of NF-kB for the radiosensitization of cells
; FILE REFERENCE: 082137-0310990
; CURRENT FILING DATE: 2004-08-12
; PRIOR APPLICATION NUMBER: US/10/504,364
; CURRENT FILING DATE: 2003-02-19
; PRIOR APPLICATION NUMBER: US 60/356,748
; PRIOR FILING DATE: 2002-02-15
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 3
; LENGTH: 558
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APPLICANT: Georgetown University
APPLICANT: Jung, Mira
TITLE OF INVENTION: The 965 subunit of NF-kB for the radiosensitization of cells
TITLE OF INVENTION: The 965 subunit of NF-kB for the radiosensitization of cells
CURRENT APPLICATION NUMBER: US/10/504,364
CURRENT FILING DATE: 2004-08-12
PRIOR APPLICATION NUMBER: PCT/US03/04513
PRIOR FILING DATE: 2003-02-19
PRIOR FILING DATE: 2003-02-15
NUMBER OF SEQ ID NOS: 12
SOFTWARE: PatentIn version 3.3
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Pred. No. 3.3e+02;
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Pred. No. 3.2e+02;
1; Mismatches 1; Indels
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CURRENT FILING DATE: 2005-02-17
PRIOR APPLICATION WUMBER: 60/521,072
PRIOR FILING DATE: 2004-02-17
NUMBER OF SEQ ID NOS: 22
SOFTWARE: Patentin version 3.2
SEQ ID NO 20
LENGTH: 541
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Best Local Similarity 85.7
اتام 6; Conservative
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US-10-504-364-3
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ORGANISM: Gallus gallus
                                                                                                                                                                                                                      TYPE: PRT
ORGANISM: Homo sapiens
US-11-059-814-20
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27 GGVGGGG 33
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US-10-504-364-3
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LENGTH: 558
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CTHER INFORMATION: V is a non-standard initiator codon. It is expected that the bi OTHER INFORMATION: synthesized protein will have a formylmethionine residue at this is often information: position US-11-205-109-18
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Publication No. US20050288866A1
GENERAL INFORMATION:
APPLICANT: Sachdeva, et al.
TITLE OF INVENTION: COMPUTATIONAL METHOD FOR IDENTIFYING ADHESIN AND ADHESIN-LIKE;
TITLE OF INVENTION: PROTEINS OF THERAPEUTIC POTENTIAL
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                                                                                                                                     Sequence 18, Application US/11205109
; Sequence 18, Application US/11205109
; Publication No. US20050287641A1
; GENERAL INFORMATION:
; APPLICANT: Farnet, Chris
; APPLICANT: Staffa, Alfredo
; TITLE OF INVENTION: GENE CLUSTER FOR RAMOPLANIN BIOSYNTHESIS
; FILE REPREMENT: 3002-2018
; CURRENT FILING DATE: 2005-08-17
; PRIOR PELLOATION NUMBER: US/09/976,059
; PRIOR FILING DATE: 2001-10-15
; RUMBER OF SEQ ID NOS: 46
; SOFTWARE: Patentin version 3.0
; SEQ ID NOS: 46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 32; DB 7; Length 891;
Pred. No. 5.1e+02;
1; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILE REFERENCE: 30853/4059A
CURRENT APPLICATION NUMBER: US/11/052,554A
CURRENT APPLICATION NUMBER: US/11/052,554A
CURRENT FILING DATE: 2005-02-07
PRIOR FILING DATE: 2004-07-20
PRIOR FILING DATE: 2004-07-26
NUMBER OF SEQ ID NOS: 763
SOFTWARE: Patentin version 3.3
SOFTWARE: Patentin version 3.3
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83.3%;
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Best Local Similarity 83.3.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY: misc feature
                           608 GGVGGGG 614
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134 GLGDGG 139
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1 GGIGDGG
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SQUENCE 154, Application US/11052554A

Publication No. US20050288866A1

GENERAL INFORMATION:

APPLICANT: Sachdeva, et al.

TITLE OF INVENTION: COMPUTATIONAL METHOD FOR IDENTIFYING ADHESIN AND ADHESIN-LIKE

TITLE OF INVENTION: PROTEINS OF THERAPEUTIC POTENTIAL

TITLE OF INVENTION: PROTEINS OF THERAPEUTIC POTENTIAL

FILE REFERENCE: 3085340359A

CURRENT APPLICATION NUMBER: US (01/50,554A

CURRENT FILING DATE: 2005-02-07

PRIOR APPLICATION NUMBER: US (05/89,227

PRIOR APPLICATION NUMBER: UN 173/DEL/2004

PRIOR FILING DATE: 2004-07-20

NUMBER OF SEC ID NOS: 763

SEC ID NO 154

LENGTH: 767
                                                                                                                                                                                                                                                                                                                                 APPLICANT: Helentjaris, Tim
APPLICANT: Helentjaris, Tim
APPLICANT: Lowe, Keith
APPLICANT: Lowe, Keith
APPLICANT: Shen, Bo
APPLICANT: Tarczynski, Mitchell
APPLICANT: APPLICANTON: And Methods of Use
TITLE OF INVENTION: and Methods of Use
TITLE OF INVENTION: APPLICANTON NUMBER: US/11/045,802
CURRENT APPLICANTON NUMBER: 60/541,122
PRIOR FILING DATE: 2004-02-02
NUMBER OF SEQ ID NOS: 38
SOFTWARE: FastSEQ for Windows Version 4.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 80.0%; Score 32; DB 7; Length 767; Best Local Similarity 71.4%; Pred. No. 4.4e+02; Matches 5; Conservative 1; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     80.0%; Score 32; DB 7; Length 710; 85.7%; Pred. No. 4.1e+02; ive 0; Mismatches 1; Indels
                         Indels
  Pred. No. 4.1e+02;
0; Mismatches 1;
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ORGANISM: Mycobacterium tuberculosis H37Rv
                                                                                                                                                                                                                                            Sequence 23, Application US/11045802
Publication No. US20050257289A1
GENERAL INFORMATION:
APPLICANT: Gordon-Kamm, William
  Best Local Similarity 85.7%;
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                              128 GGIHDGG 134
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                                                                        1 GGIGDGG 7
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US-11-045-802-23
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LENGTH: 710
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Sequence 460, Application US/11124367A
Publication No. US20060024700A1
GENERAL INFORMATION:
APPLICANT: Michele Cargill
APPLICANT: Hongjin Huang
TITLE OF INVENTION: Generic Polymorphisms Associated with
TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof
FILE REFERENCE: CL001519.ORD
CURRENT APPLICATION NUMBER: US/11/124,367A
CURRENT FILING DATE: 2005-09-09
PRIOR FILING DATE: 2005-06-09
PRIOR PLING DATE: 2004-06-07
PRIOR PLING DATE: 2004-06-25
PRIOR PLING DATE: 2004-06-25
PRIOR FILING DATE: 2004-06-25
PRIOR FILING DATE: 2004-06-25
PRIOR FILING DATE: 2004-06-05
NUMBER OF SEQ ID NOS: 34460
SOFTWARE: FastSEQ for Windows Version 4.0
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 430
SOTWARE: PatentIn version 3.2
SEQ ID NO 232
IENGTH: 265
TYPE: PRT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 5426, Application US/10467657
Publication No. US20050260581A1
GENERAL INFORMATION:
APPLICANT: CHIRON SAITA
APPLICANT: POTZA Maria Rita
APPLICANT: PASIGNAN Maria Rita
APPLICANT: MASIGNANI Vega
APPLICANT: MASIGNANI Vega
APPLICANT: MONACI Elisabetta
TITLE OF INVENTION: GONOCCCCAL PROTEINS AND NUCLEIC ACIDS
FILE REFERENCE:
                                                                                                                                                                                                                                                              ; OTHER INFORMATION: G634 polypeptide reference sequence US-10-714-887-232
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/10/467,657
CURRENT FILING DATE: 2003-08-11
PRIOR APPLICATION NUMBER: GB-0103424.8
PRIOR FILING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SOFTWARE: SeqWin99, version 1.04
SEQ ID NO 5426
LENGTH: 270
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                                                                                                                                                                                              ORGANISM: Arabidopsis thaliana
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Best Local Similarity 71.4
Matches 5, Conservative
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Best Local Similarity 71.4
Matches 5; Conservative
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157 GGYGEGG 163
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41 GGLGGGG 47
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Sequence 232, Application US/10714887

Publication No. US20060015972A1

GENERAL INCORMATION:

APPLICANT: HEARD, Jacqueline

APPLICANT: REECHANN, Jose Luis

APPLICANT: CRALLS, Roger

APPLICANT: REPERTY: Peter

APPLICANT: REPERTY: Peter

APPLICANT: REPERTY: Peter

APPLICANT: REPERTY: Peter

APPLICANT: GUITERSON, Neal

APPLICANT: SHERNAN, Bradley K

TILLE OF INVENTION: PLANT TRANSCRIPTIONAL REGULATORS OF DROUGHT STRESS

FILE REFERENCE: MBIOOS 8-CIP

CURRENT FILING DATE: 2003-01-13

PRIOR FILING DATE: 2003-02-11

PRIOR PLICATION NUMBER: 09/533, 392

PRIOR FILING DATE: 2000-03-22

PRIOR PLICATION NUMBER: 09/533, 030

PRIOR PLICATION NUMBER: 09/533, 030

PRIOR PLICATION NUMBER: 09/533, 030

PRIOR FILING DATE: 2000-03-22

PRIOR PLICATION NUMBER: 09/533, 030

PRIOR PLICATION NUMBER: 09/513, 944

PRIOR PLICATION NUMBER: 09/5
                                                                                RESULT 34
US-10-523-503-44
IS-quence 44. Application US/10523503
| Sequence 44. Application US/10523503
| Publication No. US20060037102A1
| GENERAL INFORMATION:
| APPLICAMT: BASF PLANT SCIENCE GMBH
| TITLE OF INVENTION: SUGAR AND LIPID METABOLISM REGULATORS IN PLANTS IV
| TITLE OF INVENTION: SUGAR AND LIPID METABOLISM REGULATORS IN PLANTS IV
| CURRENT APPLICATION NUMBER: US/10/523,503
| CURRENT APPLICATION NUMBER: US 60/400,803
| PRIOR FILING DATE: 2002-08-02
| NUMBER OF SEQ ID NOS: 163
| SOFTWARE: PatentIn version 3.2
| LENGTH: 212
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ORGANISM: Arabidopsis thaliana
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Matches 6; Conservative
   352 GGVGGGG 358
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"Sequence 163, Application US/11052554A

Sequence 163, Application US/11052554A

Publication No. US20050288866A1

GENERAL INFORMATION:

APPLICANT: Sachdeva, et al.

TITLE OF INVENTION: COMPUTATIONAL METHOD FOR IDENTIFYING ADHESIN AND ADHESIN-LIKE

TITLE OF INVENTION: PROTEINS OF THERAPEUTIC POTENTIAL

FILE REFERENCE: 30853/40359A

CURRENT APPLICATION NUMBER: US/11/052,554A

CURRENT PILING DATE: 2005-02-07

PRIOR FILING DATE: 2004-07-20
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                                                               Length 547;
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                                                                                                          1; Indels
                                                          Score 31; DB 7; I
Pred. No. 4.6e+02;
0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: MASUHO, YASUHIKO
TITLE OF INVENTION: Novel full length cDNA
FILE REFERENCE: 084335-0191
CURRENT APPLICATION NUMBER: US/11/072,512
CURRENT FILING DATE: 2005-03-07
PRIOR APPLICATION NUMBER: US 60/350,978
PRIOR APPLICATION NUMBER: US 60/350,978
PRIOR APPLICATION NUMBER: UP 2001-379298
PRIOR FILING DATE: 2002-01-25
PRIOR FILING DATE: 2001-11-05
                                                                                                                                                                                                                                                                                                     Sequence 3324, Application US/11072512; Publication No. US20060029945A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             IRIE, RYOTARO
TAMECHIKA, ICHIRO
SEKI, NACHIKO
YOSHIKAWA, TSUTOMU
OTSUKA, MOTOYUKI
NAGAHARI, KENJI
                                                               77.5%;
85.7%;
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APPLICANT: SUGIYAMA, TOMOYASU
APPLICANT: OTSUKI, TETSUJI
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ISONO, YUUKO
HIO, YURI
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SATO, HIROYUKI
ISHII, SHIZUKO
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SOFTWARE: Patentin Ver. 2.1
                                                             Query Match 77.5
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAGAI, KEIICHI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OTSUKA, KAORU
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
ORGANISM: Homo sapiens
; ORGANISM: Homo sapiens US-11-072-175-243
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US-11-072-512-3324
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APPLICANT:
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APPLICANT:
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Sequence 243, Application US/11072175
Publication No. US20060029944A1
SEGNERAL INFORMATION:
APPLICANT: Bristol-Myers Squibb Company
TITLE OF INVENTION: IDENTIFICATION OF GENES FOR PREDICTING ACTIVITY OF COMPOUNDS THAT
TITLE OF INVENTION: PROTEIN TYROSINE KINASE PATHWAYS IN BREAST CELLS
TITLE OF INVENTION: PROTEIN TYROSINE KINASE PATHWAYS IN BREAST CELLS
FILE REFERENCE: D0273A CIP
CURRENT APPLICATION NUMBER: US/11/072,175
CURRENT FILING DATE: 2005-08-27
PRIOR FILING DATE: 2005-08-27
PRIOR FILING DATE: 2003-08-26
NUMBER OF SEQ ID NOS: 571
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                                                                                                                                77.5%; Score 31; DB 7; Length 430; 71.4%; Pred. No. 3.7e+02; ive 1; Mismatches 1; Indels
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APPLICANT: Demmer, Jeroen
APPLICANT: Ballabury, Keith Martin
APPLICANT: Sallabury, Keith Martin
TITLE OF INVENTION: Compositions Isolated from Forage
TITLE OF INVENTION: Grasses and methods for their use.; FILE REFERENCE: 11000.1074Uc1
CURRENT APPLICATION NUMBER: US/11/110,082
CURRENT APPLICATION NUMBER: 60/563,723
PRIOR PILING DATE: 2004-04-20
PRIOR FILING DATE: 2004-04-20
PRIOR PILING DATE: 2004-04-20
PRIOR FILING DATE: 2002-09-05
NUMBER OF SEQ ID NOS: 40
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 32
LUMBETHE SAU
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Best Local Similarity 71.4
Matches 5; Conservative
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                                                             ; ORGANISM: Homo sapiens
US-11-124-367A-460
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56 GGMGSGG 62
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US-11-110-082-32
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LENGTH: 547
SEQ ID NO 460
LENGTH: 430
                                             TYPE: PRT
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RESULT 44
US-11-052-554A-135
i Sequence 135, Application US/11052554A
j Publication No. US2005028886A1
i GENERAL INFORMATION:
APPLICANT: Sachdeva, et al.
ITILE OF INVENTION: COMPUTATIONAL METHOD FOR IDENTIFYING ADHESIN AND ADHESIN-LIKE
ITILE OF INVENTION: COMPUTATIONAL METHOD FOR IDENTIFYING ADHESIN AND ADHESIN-LIKE
ITILE OF INVENTION: PROTEINS OF THERAPEUTIC POTENTIAL
CURRENT APPLICATION NUMBER: US/11/052,554A
CURRENT APPLICATION NUMBER: US 60/589,227
PRIOR APPLICATION NUMBER: UN 60/589,227
PRIOR APPLICATION NUMBER: IN 173/DEL/2004
PRIOR APPLICATION NUMBER: IN 173/DEL/2004
PRIOR APPLICATION NUMBER: 103-06
NUMBER OF SEQ ID NOS: 763
SOFTUMBER OF SEQ ID NOS: 763
SEQ ID NO 135
LENGTH: 1901
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77.5%; Score 31; DB 7; Length 1901;
Best Local Similarity 71.4%; Pred. No. 1.5e+03;
Matches 5; Conservative 1; Mismatches 1; Indels
                                                                                 Length 1381;
                                                                                                                             1; Indels
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TITLE OF INVENTION: KDR AND VEGF/KDR BINDING PEPTIDES
FILE REFERENCE: D0617.70014US00
                                                                             Score 31; DB 7; I
Pred. No. 1.1e+03;
1; Mismatches 1;
         ; ORGANISM: Mycobacterium tuberculosis H37Rv
US-11-052-554A-138
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CURRENT FILING DATE: 2004-09-13
PRIOR APPLICATION NUMBER: US 10/661,156
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 492, Application US/10939890
Publication No. US20050250700A1
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Pochon, Sibylle
Ramalingam, Kondareddiar
Shrivastava, Ajay
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Khurana, Sudha
Linder, Karen E.
Marinelli, Edmund R.
Nanjappan, Palaniappa
Nunn, Adrian D.
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APPLICANT: Sexton, Daniel J.
APPLICANT: Dransfield, Daniel T.
APPLICANT: Ladner, Robert C.
APPLICANT: Arbogast, Christophe
APPLICANT: Bussat, Philippe
                                                                               77.5%;
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Best Local Similarity 71.*-
اتابه 5، Conservative
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APPLICANT:
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APPLICANT:
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Sequence 138, Application US/11052554A

Publication No. US20050288866A1

Sequence 138, Application US/11052554A

Publication No. US20050288866A1

THILE OF INVENTION: COMPUTATION: COMPUTATIONAL METHOD FOR IDENTIFYING ADHESIN AND ADHESIN-LIKE

TITLE OF INVENTION: COMPUTATION OF THERAPEUTIC POTENTIAL

FILE REFERENCE: 30853/40359A

CURRENT FILING DATE: 2005-0.07

PRIOR APPLICATION NUMBER: US 60/589,227

PRIOR PILING DATE: 2004-07-20

PRIOR PILING DATE: 2004-07-20

PRIOR FILING DATE: 2004-07-20

PRIOR FILING DATE: 2004-07-20

NUMBER OF SEQ ID NOS: 763

SOFTWARE PARENTED NOS: 763

SEQ ID NO 138

LENGTH: 1381
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APPLICANT: Noth, Richard B.

APPLICANT: Braun, Andreas
APPLICANT: Braun, Andreas
TITLE OF INVENTION: METHODS FOR IDENTIFYING SUBJECTS AT RISK
TITLE OF INVENTION: OF MELANOMA AND TREATMENTS THEREOF
FILE REFERENCE: 224592003800
CURRENT APPLICATION NUMBER: US/10/661,966
CURRENT FILING DATE: 2003-09-11
PRIOR APPLICATION NUMBER: 60/410,595
PRIOR PILING DATE: 2002-09-11
PRIOR PILING DATE: 2002-09-11
PRIOR FILING DATE: 2002-10-29
NUMBER OF SEQ ID NOS: 61
SOFTWARE FESTSEQ for Windows Version 4.0
                                                                                                                                                                                                                                    Query Match 77.5%; Score 31; DB 7; Length 606; Best Local Similarity 71.4%; Pred. No. 5e+02; Matches 5; Conservative 1; Mismatches 1; Indels
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                                                                                                                                                               ORGANISM: Mycobacterium tuberculosis H37Rv US-11-052-554A-163
PRIOR APPLICATION NUMBER: IN 173/DEL/2004
PRIOR FILING DATE: 2004-02-06
NUMBER OF SEQ ID NOS: 763
SEQ TWARE: PatentIn version 3.3
SEQ ID NO 163
LENGTH: 606
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 14, Application US/10661966
Publication No. US20050277118A1
GENERAL INFORMATION:
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560 GGVGAGG 566
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Best Local Similarity
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                                                                                                                                              TYPE: PRT
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Sequence 40, Application US/11232405A

Publication No. US20060035347A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: USUDA, Yoshihiro
APPLICANT: VASUEDA, Hisashi
APPLICANT: SUGIMOTO, Shinichi
TITLE OF INVENTION: POLYNCLEOTIDES ENCODING POLYPEPTIDES INVOLVED IN AMINO ACID BIO:
TITLE OF INVENTION: IN METHYLOPHILUS METHYLOTROPHUS
FILE REFERENCE: 232743USO
TITLE OF INVENTION: 205-09-22
NUMBER OF SEQ ID NOS: 54
SOSTWARE: PATENTING DATE: 2005-09-22
NUMBER OF SEQ ID NOS: 54
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APPLICANT: Han, Zhoa
APPLICANT: Wang, Yuexia
TITLE OF INVENTION: Seprenses CBF3 Gene: Identification and Isolation
FILE REFERENCE: MSU-08807
CURRENT APPLICATION NUMBER: US/10/883,512
CORRENT FILING DATE: 2004-07-01
NUMBER OF SEQ ID NOS: 199
SOFTWARE: PatentIn version 3.3
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Pred. No. 2.6e+02;
1; Mismatches 1; Indels
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Pred. No. 2.9e+02;
1; Mismatches 1; Indels
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LENGTH: 275
TYPE: PRT
ORGANISM: Methylophilus methylotrophus
                         CURRENT FILING DATE: 2003-08-11
PRIOR APPLICATION NUMBER: GB-0103424.8
PRIOR FILING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SOFTWARE: SeeWin99, version 1.04
SEQ ID NO 2106
LENGTH: 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 88, Application US/10883512; Publication No. US20060005265A1; PENERAL INFORMATION: APPLICANT: Bughrara, Suleiman
                                                                                                                                                                               TYPE: PRT
ORGANISM: Neisseria gonorrhoeae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 71.4%;
Matches 5; Conservative
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Best Local Similarity 71.4%;
Matches 5; Conservative
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US-10-883-512-88
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143 GGVGVGG 149
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167 GGVGVGG 173
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US-10-883-512-88
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LENGTH: 229
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US-10-467-657-922

US-10-467-657-922

US-10-467-657-922

Sequence 9-22, Application US/10467657

Publication No. US20050260581A1

GENREAL INFORMATION:

APPLICANT: CHIRON SpA

APPLICANT: CHIRON SpA

APPLICANT: MASIGNAIN Vega

TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS

FILE REFERNCE:

CURRENT FILING DATE: 2003-08-11

PRIOR APPLICATION NUMBER: US/10/467,657

CURRENT FILING DATE: 2001-02-12

NUMBER: OF SEQ ID NOS: 9218

SOFTWARE: Seqwin99, version 1.04

SEQ ID NO 922

LENGTH. 189
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Pred. No. 2.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                        Score 30; DB 6; Length 16;
Pred. No. 24;
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PUblication No. US20050260581A1
GENERAL INFORMATION:
APPLICANT: CHIRON SpA
APPLICANT: FONTANA Maria Rita
APPLICANT: PIZZA Mariagrazia
APPLICANT: PIZZA Mariagrazia
APPLICANT: MASIGNANI Vega
APPLICANT: MONACI Blisabetta
TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
FILE REFERENCE:
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PRIOR FILING DATE: 2003-09-11
PRIOR APPLICATION NUMBER: US 10/382,082
PRIOR FILING DATE: 2003-03-03
PRIOR FILING DATE: 2003-03-03
PRIOR FILING DATE: 2003-03-03
PRIOR FILING DATE: 2003-01-05
PRIOR PILING DATE: 2003-01-15
PRIOR PILING DATE: 2003-01-15
PRIOR APPLICATION NUMBER: US 60/360,851
PRIOR FILING DATE: 2002-03-01
NUMBER OF SEQ ID NOS: 883
SOFTWARE: FESTSEQ for Windows Version 4.0
SEQ ID NO 492
LENGTH: 16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ), ORGANISM: Neisseria gonorrhoeae
US-10-467-657-922
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Best Local Similarity 71.4%;
Matches 5; Conservative
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Matches 5; Conservative
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US-10-467-657-2106
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; OTHER INFORMATION: G1070 polypeptide Functionally related and homologous to G1073 US-10-714-887-300
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APPLICANT: HERGA D. Jacqueline
APPLICANT: HERGA D. Jacqueline
APPLICANT: HERGANN, Robert
APPLICANT: RICCHANN, Robert
APPLICANT: RICCHANN, Robert
APPLICANT: RICCHANN, Robert
APPLICANT: RICCHANN, Robert
APPLICANT: RETERES, Oliver
APPLICANT: RETERES, Oliver
APPLICANT: GUTTERSON, Neal
FRIG REPROBLE DATE: 2000-41-13
FRIG RILING DATE: 2000-21-7
FRIC REPROBLICATION NUMBER: 09/534,519
FRIC RELING DATE: 1999-00-217
FRIC APPLICATION NUMBER: 09/533,029
FRIC APPLICANTION NUMBER: 09/533,029
FRIC RILING DATE: 2000-03-22
FRIC RELING DATE: 2000-03-22
FR
                                            Gaps
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                                     1; Indels
Best Local Similarity 71.4%; Pred. No. 3.4e+02; Matches 5; Conservative 1; Mismatches 1
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                                                                                                                                                                                                                                                                                                                                                          Sequence 300, Application US/10714887
Publication No. US20060015972A1
GENERAL INFORMATION:
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ORGANISM: Arabidopsis thaliana
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162 GGVGIGG 168
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88 GGSGEGG 94
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US-10-714-887-300
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ton Ltd.		<pre>39 Seconds ents) cell updates/sec</pre>							•			ted,		! ! !	l prote ase I -	ical prote 45 precurs	er mem rotein	prote prote	rase [	retion	18.3 [i	ein p	on sy Esch	rote	pept led1	cell	prote	al prote al glyci	membrane- cal prote	letical prote Jenase relate
5.1.7 Biocceleration Ltd		; Search time 39 Second (without alignments) 17.270 Million cell upda			residues	parameters: 283416					chance to hav	l to the score of the result being printed of the total score distribution.	SUMMARIES	Description		hypothetical nodulin-45 p	probable out regulatory p	hypothetical hypothetical	aminotransferase [keratin 54% tyne	type II sec	protein K04A	propable grydeggshell prot	mrr restriction mrr protein -	hypothetical p	probable transpept teosinte branchedl	glycine-rich	UL3Z Procent hypothetica	hypothetica hypothetica	probable r hypothetic	hypotheti dioxygena

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A;Molecule type: DNA
A;Residues: 1-331 <LIN>
A;Cross-references: UNIPROT:O68765; UNIPARC:UPI00000B4994; EMBL:AF074611; NID:g3883003;
C;Genetics:
A;Gene: X1111
A;Genome: plasmid pMT1
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A;Reference number: A82950; MUID:20437337; PMID:10984043
A;Accession: G83299
A;Status: preliminary
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(5)Genetics: PA276
(5)Genetics: PA276
(5)Superfamily: Pseudomonas aeruginosa outer membrane porin PA0958
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A;Residues: 1-63 <RIC>
A;Cross-references: UNIPROT:Q43494; UNIPROT:Q43878; UNIPARC:UPI000017B054; EMBL:Z12820
A;Accession: S34261
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A;Residues: 10-20,'R',22-351 <RIW>
A;Cross-references: UNIPARC:UPI000017B055; EMBL:Z12625; NID:g311929; PID:g311930
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R;Stover, C.K.; Pham, X.Q.; Erwin, A.L.; Mizoguchi, S.D.; Warrener, P.; Hick addman, S.; Yuan, Y.; Brody, L.L.; Coulter, S.N.; Folger, K.R.; Kas, A.; Larb ; Lory, S.; Olson, M.V.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            nodulin-45 precursor - narrow-leaved blue lupine
C;Species: Lupinus angustifolius (narrow-leaved blue lupine)
C;Species: Lupinus angustifolius (narrow-leaved blue lupine)
C;Date: 15-Feb-1997 #sequence revision 27-Feb-1997 #text_change 09-Jul-2004
C;Accession: S70765, S34261, $34260
R;Rice, S.J.; Grant, M.R.; Reynolds, P.H.S.; Farnden, K.J.F.
A;Rice, Soi. 90, 155-166, 1993
A;Title: DNA sequence of nodulin-45 from Lupinus angustifolius.
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Ajnote: the list of introns may be incomplete
CjKeywords: nodulation
Fj1.24/Domain: signal sequence #status predicted <SIC
Fj25-351/Product: nodulin-45 #status predicted <MAT>
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     213 GGIGDGG 219
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Best Local Similarity
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A; Residues: 1-425 <STO>
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nodulin-45 precursor -
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                                                                                                                                                                          hypothetical protein - Deinococcus radiodurans (strain R1)
C;Species: Deinococcus radiodurans
C;Species: Deinococcus radiodurans
C;Species: O3-Dec-1999 #sequence_revision 03-Dec-1999 #text_change 09-Jul-2004
C;Accession: F75310
R;White, O.; Eisen, J.A.; Heidelberg, J.F.; Hickey, E.K.; Peterson, J.D.; Dodson, R.J.;
M.; Shen, M.; Vamethevan, J.J.; Lam, P.; McDonald, L.; Utterback, T.; Zalewski, C.; Ma
S.; Smith, H.O.; Venter, J.C.; Fraser, C.M.
Science 286, 1571-1577, 1999
A;Title: Genome sequence of the radioresistant bacterium Deinococcus radiodurans R1.
A;Recession: F75310
A;Status: preliminary
A;Recidues t.P5310
A;Status: preliminary
A;Residues t.P530 WID:20036896; PMID:10567266
A;Accession: E75310
A;Genetics: A;Genetics: A;Genetics: A;Genetics: A;Genetics: A;Genetics: A;Amap position: 1
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C;Date: 20-Sep-1999 #sequence_revision 20-Sep-1999 #text_change 09-Jul-2004
C;Accession: T15026
C;Accession: T15026
R;Lindler, LE.; Plano, G.V.; Burland, V.; Mayhew, G.F.; Blattner, F.R.
Infect. Immun. 66, 5731-5742, 1998
A;Title: Complete DNA sequence and detailed analysis of the Yersinia pestis KIMS plasmid
A;Reference number: Z18268; MUID:99043898; PMID:9826348
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         C;Species: Yersinia postis
C;Species: Yersinia postis
C;Date: 20-Sep-1999 #sequence_revision 20-Sep-1999 #text_change 09-Jul-2004
C;Accession: T14694
B;Hu, P.; Elliott, J.; McCready, P.; Skowronski, B.; Garnes, J.; Kobayashi, A.; Carrano, submitted to the EMBL Data Library, March 1998
A;Description: Structural organization of virulence determinants in three Yersinia pestiny, Reference number: 218168
A;Reference number: 218168
A;Accession: T14694
A;Accession: T14694
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Residues: 1-289 <HUP>
A;Residues: 1-289 <HUP>
A;Residues: 1-289 <HUP>
A;Crosser-references: UNIPROT:068765; UNIPROT:Q9RIC9; UNIPARC:UPI000016E2B2; EMBL:AF053947
C;Genecics:
A;Genome: plasmid pMT1
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100.0%; Score 40; DB 2; Length 289;
Best Local Similarity 100.0%; Pred. No. 14;
Matches 7; Conservative 0; Mismatches 0; Indels
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           ALIGNMENTS
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Best Local Similarity
Matches 7; Conserv
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M.J.; B K.; Lim

P.; Hickey, A.; Larbig,

(strain PAO1

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Gaps

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Length 351;

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Nypothetical protein CC1123 [imported] - Caulobacter crescentus
C.Species: Caulobacter crescentus
C.Species: Caulobacter crescentus
C.Species: Caulobacter crescentus
C.Species: Caulobacter crescentus
C.Accession: G87388
R.Nierman, W.C.; Feldblyum, T.V.; Paulsen, I.T.; Nelson, K.E.; Eisen, J.; Heidelberg, B.; Lamb, M.T.; DeBoy, R.T.; Dodson, R.J.; Durkin, A.S.; Gwinn, M.L.; Haft, D.H.; Kol
n, J.; Ermolaeva, M.; White, O.; Salzberg, S.L.; Shapiro, L.; Venter, J.C.; Fraser, C.
Proc. Natl. Acad. Sci. U.S.A. 98, 4136-4141, 2001
A.Reference number: A87249; MUID:21173698; PMID:11259647
A.Accession: G87388
A.Accession: G87388
A.Accession: G87388
A.Accession: Caulobacter crescentus
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A;Nolecule type: DNA
A;Molecule type: DNA
A;Residues: 1-368 <0UI>
A;Residues: 1-368 <0UI>
A;Conserveferences: UNIPROT:068842; UNIPARC:UPI00000B835E; EMBL:AF055579; PIDN:AAD5545
A;Experimental source: ATCC 11891
C;Genetics: A;Gene: oileN2
C;Function:
A;Description: possibly involved in C-3 amination of the aminosugar D-desosamine durin C;Superfamily: erythromycin resistance protein
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A;Variety: ATCC 11891
C;Date: 21-Jul-2000 #sequence_revision 21-Jul-2000 #text_change 09-Jul-2004
                                                       Gaps
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R;Quiros, L.M.; Aguirrezabalaga, I.; Olano, C.; Mendez, C.; Salas, J.A.
submitred to the EMBL Data Library, September 1999
A;Reference number: Z25300
A;Accession: T51111
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Pred. No. 52;
0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2; Length 368;
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N;Alternate names: 54-kDa type I keratin; cytokeratin VIb
C;Species: Bos primigenius taurus (cattle)
                                                       ;
                  ed. No. 52;
Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      90.0%; Score 36; DB
85.7%; Pred. No. 87;
ive 0; Mismatches
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0
           85.78;
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Similarity 85.7%;
6; Conservative
                                                    6; Conservative
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nes 6, Conservative
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           Best Local Similarity
Matches 6; Conserv
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Best Local Similarity
Matches 6; Conserv
                                                                                                                   1 GGIGDGG 7
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Best Local
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                                                                                                                                                                                                                                                                                                                                                       regulatory protein nit-4 - Neurospora crassa
C;Species: Neurospora crassa
C;Date: 30-Jun-1992 #sequere revision 30-Jun-1992 #text_change 31-Dec-2004
C;Accession: A41696; 837629; $20033
R;Yuan, G.F.; Fu, Y.H.; Marzluf, G.A.
Mol. Cell Biol. 11, 5735-5745, 1991
A;Title: nit-4, a pathway specific regulatory gene of Neurospora crassa, encodes a prote
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C;Species: Arabidopsis thaliana (mouse-ear cress)
C;Species: DY-Mar-2001 #sequence_revision 02-Mar-2001 #text_change 09-Jul-2004
C;Accession: B96506
R;Theologis, A.; Ecker, J.R.; Palm, C.J.; Pederspiel, N.A.; Kaul, S.; White, O.; Alonso, Chin, C.W.; Chung, M.K.; Conn, L.; Conway, A.B.; Conway, A.R.; Creasy, T.H.; Dewar, K., ansen, N.P.; Hughes, B.; Huizar, L.
Nature 408, 816-820, 2000
A;Authors: Hunter, J.L.; Y.; Liu, X.; Liu, S.X.; Liu, Z.A.; Luros, J.S.; Majti, E.; Kim, C.C.A.; Li, J.H.; Li, Y.; Liu, S.X.; Liu, Z.A.; Luros, J.S.; Majti, R.; Marziali, Rizzo, M.; Rooney, T.; Rowley, D.; Sakano, H.
A;Authors: Salzberg, S.L.; Schwartz, J.R.; Shinn, P.; Southwick, A.M.; Sun, H.; Tallon, A;Tile: Sequence and analysis of chromosome 1 of the plant Arabidopsis.
A;Reference number: A86141; MUID:21016719; PMID:11130712
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A; Residues: 1-98, P', 99-466, S', 468-1090 <YU2>
A; Cross-references: UNIPARC:UP10000168940; EMBL:M80368; NID:9168848; PIDN:AAA33602.1; PI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A; Molecule type: DNA
A; Residues: 1-1090 < YUB>
A; Crossidues: 1-1090 < YUB>
A; Crossidues: 1-1090 < YUB>
A; Crossidues: 1-1090 < YUB>
B; Yuan, G.F.; Fu, Y.H.; Marzluf, G.A.
Submitted to the EMBL Data Library, December 1991
A; Description: nit-4, a pathway-specific regulatory gene of Neurospora crassa, encodes
A; Reference number: 837629
A; Accession: 837629
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A;Residuss: 1-223 <STO>
A;Cross-references: UNIPROT:Q9C6Y9; UNIPARC:UPI00000AB257; GB:AE005173; NID:g11120813;
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                                                Gaps
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A,Introns: 529/2
C;Keywords: DNA binding, nucleus; transcription regulation; zinc finger
F;48-86/Domain: GAL4 zinc binuclear cluster homology <GAL4>
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100.0%; Score 40; DB 2; Length 1090;
Best Local Similarity 100.0%; Pred. No. 55;
Matches 7; Conservative 0; Mismatches 0; Indels
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0
   100.0%; Pred. No. 21; ive 0; Mismatches
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C;Superfamily: fluke eggshell protein
Best Local Similarity 100.
Matches 7; Conservative
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952 GGIGDGG 958
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                                                                                                            1 GGIGDGG 7
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A;Gene: T7023.13
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C,Accession: T43262
R;Zoccola, D.; Tambutte, E.; Senegas-Balas, F.; Michiels, J.F.; Failla, J.P.; Jaubert, Gene 227, 157-167, 1999
A;Title: Cloning of a calcium channel alphal subunit from the reef-building coral, Styl. A;Reference number: Z22375; MUID:99148007; PMID:10023047
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A; Cross-references: UNIPROT:097017; UNIPARC:UPI0000074851; EMBL:U64465; NID:g4204977; P
C; Genetics:
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C;Species: Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Species: O-May-2001 #sequence_revision 10-May-2001 #text_change 09-Jul-2004
C;Accession: D89075
R;anonymous, The C. elegans Sequencing Consortium.
Secience 282, 2012-2018, 1998
A;Title: Genome sequence of the nematode C. elegans: a platform for investigating biolo A;Reference number: A75000; MUID:99069613; PMID:9851916
A;Note: see websites genome.wustl.edu/gsc/C_elegans/ and www_sanger.ac.uk/Projects/C_el A;Note: published errata appeared in Science 283, 35, 1999; Science 283, 2103, 1999; an A;Accession: D89075
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Cybobble glycine-rich RNA-binding protein [imported] - Arabidopsis thaliana
Cyspecies: Arabidopsis thaliana (mouse-ear cress)
Cybate: 02-Feb-2001 #sequence_revision 02-Feb-2001 #text_change 09-Jul-2004
Cybate: 02-Feb-2001 #sequence_revision 02-Feb-2001 #text_change 09-Jul-2004
Cybate: 02-Feb-2001 #sequence_revision 02-Feb-2001 #text_change 09-Jul-2004
Cybate: 02-Feb-2001 #sequence_revision 02-Feb-2001 #text_change 09-Jul-2004
Ryinn, X.; Kaul, S.; Rounsley, S.D.; Shea, T.P.; Benito, M.I.; Town, C.D.; Fujii, C.Y.;
M.; Koo, H.; Moffat, K.S.; Cronin, L.A.; Shen, M.; VanAken, S.E.; Umayam, L.; Tallon, L.
Nature 402, Naturan, W.C.; White, O.; Elsen, J.A.; Salzberg, S.L.; Fraser, C.M.; Venter,
Nature 402, 761-768, 1999
A;Title: Sequence and analysis of chromosome 2 of the plant Arabidopsis thaliana.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A,Cross-references: UNIPROT:Q94257; UNIPARC:UP10000079DB2; GB:Chr_V; PIDN:AAC48049.1; P
                                                                                                                                                                                                                                                                                                                                                    C;Species: Stylophora pistillata
C;Date: il-Jan_2000 #sequence_revision 11-Jan-2000 #text_change 09-Jul-2004
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C;Superfamily: voltage-dependent calcium channel protein alpha-1 chain
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Pred. No. 4.6e+02;
1; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                         calcium channel alpha-1 chain, L-type - Stylophora pistillata
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A;Accession: T43262
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: mRNA
A;Residues: 1-1891 <2OC>
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                        425 GGIGEGG 431
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665 GGIGEGG 671
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42 GGVGEGG 48
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Best Local Similarity
Matches 6; Conserv
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Best Local Similarity
Matches 5; Conserv
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A;Molecule type: DNA
A;Residues: 1-117 <STO>
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C;Date: 30-Jun-1987 #sequence_revision 30-Jun-1987 #text_change 09-Jul-2004

R,Accession: A03941; 807262

R,Rieger, M.; Jorcano, J.L.; Franke, W.W.

EMBO J. 4, 2261-2267, 1985.

A,Title: Complete sequence of a bovine type I cytokeratin gene: conserved and variable is A,Reference number: A02941; MUID:86081734; PMID:2416562

A,Recession: A02941

A,Reference number: A02941; MUID:86081734; PMID:2416562

A,Moclecule type: DNA

A,Residues: 1-526 arts

A,Coss-references: UNIPROT: P06394; UNIPARC: UP1000012DAE2; GB:X02870; NID:9478; PIDN:CAP

A,Goss-references: UNIPROT: P06394; UNIPARC: UP1000012DAE2; GB:X02870; NID:9478; PIDN:CAP

A,Title: Identification of two types of keratin polypeptides within the acidic cytokerat

A,Title: Identification of two types of keratin polypeptides within the acidic cytokerat

A,Title: Identification of two types of keratin polypeptides within the acidic cytokerat

A,Title: Identification of two types of keratin polypeptides within the acidic cytokerat

A,Title: Identification of two types of keratin polypeptides within the acidic cytokerat

A,Tocss-references: UNIPARC: UP1000173D65; EMB1:X01460

A,Molecule type: mRNA

A,Residues: 281-46; PAAATAAAEVORMEPREXFRROYG', 490-491, 494, 'PVAVARRRK', 504-526 alore

A,Goss-references: UNIPARC: UP1000173D65; EMB1:X01460

A,Mote: this sequence has been revised in reference A02941

C,Genetics:

A,Goss-references: Outled of Coli; intermediate filament

F,1-127/Megion: coil and VI subdomains

F,18-147/Domain: head aHED>

F,18-127/Region: coil 11

F,177-277/Region: coil 12

F,177-277/Region: coil 12

F,177-277/Region: coil 12

F,177-277/Region: coil 24

F,13-122/Region: 
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CiSpecies: Archaeoglobus fulgidus
CiSpecies: Archaeoglobus fulgidus
CiSpecies: Archaeoglobus fulgidus
CiSpecies: Archaeoglobus fulgidus
CiSpecies: Archaeoglobus fulgidus
CiSpecies: Archaeoglobus fulgidus
CiSpate: 05-Dec-1997 #sequence_revision 05-Dec-1997 #text_change 09-Jul-2004
CiSAccession: A69381
R;Klenk, H.P.; Clayton, R.A.; Tomb, J.F.; White, O.; Nelson, K.E.; Ketchum, K.A.; Dodson, T. Elaschmann, R.D.; Quackenbush, J.; Lee, N.H.; Sutton, G.G.; Gill, S.; Kirkness, B.F.
Glodek, A.; Zhou, L.; Overbeek, R.; Gocayne, J.D.; Weidman, J.F.; McDonald, L.
Nature 390, 364-370, 1997
Nature 390, 364-370, 1997
A.Authors: Uterback, T.; Cotton, M.D.; Spriggs, T.; Artiach, P.; Kaine, B.P.; Sykes, S.
Smith, H.O.; Wosse, C.R.; Venter, J.C.
A;Title: The complete genome sequence of the hyperthermophilic, sulfate-reducing archaec
A;Reference number: A69250; MUID:98049343; PMID:9389475
A;Accession: A69381
A;Accession: A69381
A;Accession: A69381
A;Accession: A69381
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A;Cross-references: UNIPROT:029213; UNIPARC:UPI0000056E8D; GB:AE001030; GB:AE000782; NIC
C;Superfamily: conserved hypothetical protein MJ0900
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85.7%; Pred. No. 1.5e+02;
w..mmatches 0; Indels
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F;379/Region: stutter
F;442-526/Domain: tail <END>
F;442-526/Region: V2 and E2 subdomains
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Matches 6; Conserv
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A;Gene: mrr

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Advises mary protein - Escherichia coli (strain K-12)

C; Species: Escherichia coli (c; Species: Advise: Asebi 1991)

R; Waite: Rese, P.A.; Keating, C.J.; Moran, L.S.; Slatko, B.E.; Hornstra, L.J.; Benner, J. Bacteriol. 173; S207-5219, 1991

A; Till: Characterization and expression of the Escherichia coli Mrr restriction syste A; Reference number: A40368; MUID:91317743; PMID:1650347

A; Reference number: A40368 MUID:91317743; PMID:1650347

A; Residues: preliminary

A; Residues: 1-304 - WAI

A; Residues: D; PMID:911495

A; Title: Analysis of the Escherichia coli genome VI: DNA sequence of the region from 9

A; Residues: D; PMID:911495

A; Status: preliminary; nucleic acid sequence not shown; translation not shown

A; Molecule type: DNA

A; Residues: D; PMID:91146; 1995

A; Cross-references: UNIPARC:UPI000012F589; EMBL:U14003; NID:91263172; PIDN:AAA97248:1;

A; Reseidues: D; MUID:9146; 1994

A; Reseidues: D; MUID:97420; MUID:9742617; PMID:927863

A; Title: The complete genome sequence of Escherichia coli K-12.

A; Rose: D; Muld: A4720; MUID:9742617; PMID:927863
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A;Cross-references: UNIPARC:UPI000012F589; GB:AE000506; GB:U00096; NID:g2367377; PIDN:.
A;Experimental source: strain K-12, substrain MG1655
C;Genetics:
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C;Species: Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Species: T5-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 09-Jul-2004
C;Accession: T20018
R;Wild, A.
A;Reference number: Z19211
A;Accession: T20018
A;Accession: T20018
A;Accession: T20018
A;Accession: T20018
A;Accession: Dabuta Library, UNIPARC:UPIO000079C20; EMBL:Z75530; PIDN:CAA99792.1
A;Cross-references: UNIPROT:Q18687; UNIPARC:UPIO000079C20; EMBL:Z75530; PIDN:CAA99792.1
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A,Status: preliminary; nucleic acid sequence not shown; translation not shown
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                                                               Score 35; DB 2; I
Pred. No. 1.1e+02;
0; Mismatches 1;
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85.7%; Pred. No. 1.1e+02;
iive 0; Mismatches 1;
                                                                  87.5%;
85.7%;
                                                                                                                            6; Conservative
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tes 6; Conservative
                                                                                                                                                                                                                                         195 GGTGDGG 201
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                                                               Query Match
Best Local Similarity
Matches 6; Conserv
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C;Date: 28-Apr-1993 #sequence_revision 28-Apr-1993 #text_change 31-Dec-2004
C;Accession. 444805, C44805
R;Bobek, L.A.; LoVerde, P.T.; Rekosh, D.M.
Exp. Parasitol. 68, 17-30, 1989
A;Title: Schistosoma haematobium: analysis of eggshell protein genes and their expressic
A;Reference number: A44805, MUID:89137380; PMID:2917627
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A;Cross-references: UNIPARC:UPI000005A9C3; GB:AL513382; PIDN:CAD03372.1; PID:g16505642; C;Genetics:
                                                   A,Status: preliminary
A,Molecule type: DNA
A,Residues: 1-185 <STO>
A,Cross-references: UNIPROT:Q9SIX3; UNIPARC:UPI00000A035C; GB:AE002093; NID:g4544401;
                                                                                                                                                                                                                                                                 homology
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A;Residues: 1-70,96-140,142-220 <BO2>
A;Crossreferences: UNIPARC:UPI000007BEA6; GB:M27658; NID:g160978; PID:g160979
C;Keywords: egg shell
F;1-18/Domain: signal sequence #status predicted <SIG>
F;19-220/Product: eggshell protein #status predicted <MAI>
                                                                                                                                                                C;Genetics:
A;Gene: At2g16260
A;Map position: 2
C;Superfamily: glycine-rich RNA-binding protein; ribonucleoprotein repeat
                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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A;Residues: 1-220 <BOB>
A;Cross-references: UNIPROT:096853; UNIPARC:UPI0000177E50; GB:M27659
A;Accession: C44805
A;Status: preliminary
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Pred. No. 76;
0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                          2; Length 185
                                                                                                                                                                                                                                                                                                                                                                                 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            - fluke (Schistosoma haematobium)
A;Reference number: A84420; MUID:20083487; PMID:10617197
A;Accession: D84538
                                                                                                                                                                                                                                                                                                                    Score 35; DB 2
Pred. No. 63;
0; Mismatches
                                                                                                                                                                                                                                                                                                                    87.5%;
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85.7%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                               165 GGYGDGG 171
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      40 GGYGDGG 46
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Best Local Similarity
Matches 6; Conserv
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Best Local Similarity
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Molecule type: DNA
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418 GGYGDGG 424
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                                                                                                                                                                                                                                                                       A;Accession: S01820
A;Molecule type: DNA
A;Residues: 1-465 <KEL>
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C;Species: Zea mays (maize)
C;Species: Zea mays (maize)
C;Date: 23.Apr-1999 #sequence_revision 23.Apr-1999 #text_change 09-Jul-2004
C;Accession: T04347
R;Doebley, J.; Stec, A.O.; Hubbard, L.
Nature 386, 485-488, 1997
A;Ttle: The evolution of apical dominance in maize.
A;Reference number: Z15300, MUID:97242406; PMID:9087405
A;Accession: T04347
A;Accession: T04347
A;Accession: T04347
A;Accession: T04347
A;Accession: J32 <DOE>
A;Cross-references: UNIPROT:Q93WE3; UNIPROT:004170; UNIPARC:UPI000009FD45; EMBL:U94494;
A;Cross-references: UNIPROT:Q93WE3; UNIPROT:O04170; UNIPARC:UPI000009FD45; EMBL:U94494;
A;Gene: tbl.
A;Gene: tbl.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           probable transpeptidase - Streptomyces coelicolor (fragment)
C;Species: Streptomyces coelicolor
C;Species: Streptomyces coelicolor
C;Species: Streptomyces coelicolor
C;Species: Streptomyces coelicolor
C;Species: O3-Dec-1999 #sequence_revision O3-Dec-1999 #text_change O9-Jul-2004
C;Accession: T36689
R;Murphy, L.; Harris, D.; Bentley, S.D.; Parkhill, J.; Barrell, B.G.; Rajandream, M.A.
Submitted to the EMBL Data Library, April 1999
A;Accession: T36689
A;Accession: T3689
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 382;
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                                                                                                                                                                                                            Score 35; DB 2; Length 317
Pred. No. 1.1e+02;
0; Mismatches 1; Indels
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ilarity 85.7%; Pred. No. 1.3e+02;
Conservative 0; Mismatches 1;
A; Experimental source: clone C47E8
                                                                                                                                                                                                               Query Match
Best Local Similarity 85.7%;
Matches 6; Conservative
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Matches 6; Conservative
                                     C;Genetics:
A;Gene: CESP:C47E8.3
A;Map position: 5
A;Introns: 97/2; 194/3; 231/2
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Best Local Similarity
Matches 6; Conserv
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RESULT 21 S01820

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glycine-rich cell wall protein 1.8 precursor - kidney bean C;Species: Phaseolus vulgaris (kidney bean) C;Date: 30-Sep-1989 #sequence_revision 19-May-1994 #text_change 09-Jul-2004 C;Accession: S01820 C;Accession: S01820 C;Accession: S01820 C;Accession: J. 3 Sauer, N.; Lamb, C.J. EMBO J. 7, 3625-3633, 1988 A;Fitle: Glycine-rich cell wall proteins in bean: gene structure and association of the A;Reference number: S01820; MUID:89091109; PMID:3208742
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A;Cross-references: UNIPROT:P10496; UNIPARC:UPI000012BB05; EMBL:X13596; NID:g21002; PIDM C;Comment: This protein is enriched in the cell wall fraction of young hypocotyls and or tyls.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                C.Comment: Much of the sequence consists of tandemly repeated 22-residue segments with . C.Superfamily: Phaseolus glycine-rich cell wall protein 1.8 C.Superfamily: Barnctural protein; tandem repeat F.1-30/Domain: signal sequence #status predicted <SIG>P.31-465/Product: glycine-rich cell wall protein 1.8 #status predicted <MAT>
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C;Species: human herpesvirus 1
C;Date: 31-Dec-1989 #sequence_revision 31-Dec-1989 #text_change 09-Jul-2004
C;Date: 31-Dec-1989 #sequence_revision 31-Dec-1989 #text_change 09-Jul-2004
C;Accession: E30085
A;Title: The complete DNA sequence of the long unique region in the genome of herpes sin A;Reference number: A30083; MUID:88274327; PMID:2839594
A;Accession: E30085
A;Accession: nucleic acid sequence not shown; translation not shown
A;Molecule type: DNA
A;Residues: 1-596 <MCGA
A;Residues: 1-506 <MCG
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C.Keywords: glycoprotein
F;245,451,452/Binding site: carbohydrate (Asn) (covalent) #status predicted
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85.7%; Pred. No. 2.1e+02;
ive 0; Mismatches 1; Indels
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preliminary
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C;Species: Sinorhizoblum mellioti
C;Species: Sinorhizoblum mellioti
C;Date: 24-Aug-2001 #sequence_revision 24-Aug-2001 #text_change 09-Jul-2004
C;Date: 24-Aug-2001 #sequence_revision 24-Aug-2001 #text_change 09-Jul-2004
C;Accession: F9595
R;Finan, T.M.; Weidner, S.; Wong, K.; Buhrmester, J.; Chain, P.; Vorholter, F.J.; Hern Proc. Natl. Acad. Sci. U.S.A. 98, 9889-9894, 2001
A;Title: The complete sequence of the 1,683-kb pSymB megaplasmid from the N2-fixing en. A;Reference number: A95842; MUID:21396508; PMID:11481431
A;Reference number: A95842; MUID:21396508; PMID:11481431
A;Reference number: A95842; MUID:21396508; PMID:11481431
A;Residues: 1-234 «KUR>
A;Residues: 1-234 «KUR>
A;Residues: 1-234 «KUR>
A;Residues: 1-234 «KUR>
A;Residues: 1-234 «KUR>
A;Residues: Terences: UNIPROT:P96413; UNIPARC:UPI00000CA9B5; GB:AL591985; PIDN:CAC49286.
A;Residues: Terences: UNIPROT:P96413; UNIPARC:UPI00000CA9B5; GB:AL591985; PIDN:CAC49286.
A;Residues: Terences: UNIPROT:P96413; UNIPARC:UPI0000CA9B5; GB:AL591985; PIDN:CAC49286.
A;Reperimental source: strain 1021, megaplasmid pSymB
R;Galibert, F.; Finan, T.M.; Long, S.R.; Publer, A.; Abola, P.; Ampe, F.; Barloy-Huble Pela, D.; Chain, P.; Cowie, A.; Davis, R.W.; Dreano, S.; Federspiel, N.A.; Fisher, R.F.
Science 293, 668-672, 2001
A;Authors: Kahn, D.; Kahn, M.L.; Kalman, S.; Keating, D.H.; Kiss, E.; Komp, C.; Lelaur hebbautt, P.; Vandenbol, M.; Vorholter, F. J.; Weiller, B.;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          hypothetical protein PH1935 - Pyrococcus horikoshii
C;Species: Pyrococcus horikoshii
C;Species: Pyrococcus horikoshii
C;Species: Pyrococcus horikoshii
C;Species: Pyrococcus horikoshii
C;Species: Pyrococcus horikoshii
C;Species: Pyrococcus horikoshii
C;Species: Pyrococcus horikoshii
C;Species: Pyrococcus horikoshii
C;Species: Pyrococcus horikoshii
C;Species: Pyrococcus
R;Kawarabayasi, Y.; Sawada, M.; Horikawa, H.; Haikawa, Y.; Hino, Y.; Yamamoto, S.; Sekn
M; Ohtuku, Y; Funahashi, T.; Tanaka, T.; Kudoh, Y.; Yamazaki, J.; Kushida, N.; Oguci
DNA Res. 5, 55-76, 1998
A;Title: Complete sequence and gene organization of the genome of a hyper-thermophilic
A;Reference number: A71000; MUID:98344137; PMID:9679194
A;Accession: G71208
A;Status: preliminary; nucleic acid sequence not shown; translation not shown
A;Residues: 1-266 «KAM»
A;Cross-references: UNIPROT:059598; UNIPARC:UP10000063186; GB:AP000007; NID:g3236134; the Cygenetics:
C;Genetics:
C;Genetics:
                                                                                                                                                                                                                          probable membrane-anchored protein [imported] - Sinorhizobium meliloti (strain 1021)
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Best Local Similarity 100.
Matches 6; Conservative
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          1048 GGAGDGG 1054
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Best Local Similarity
Matches 6; Conserv
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C;Species: Neurospora crassa
C;Date: 20-Oct-2000 #sequence_revision 20-Oct-2000 #text_change 20-Oct-2000
C;Accession: T52510
A;Schulte, U; Aign, V; Hoheisel, J; Brandt, P; Fartmann, B; Holland, R; Nyakatura, submitted to the Protein Sequence Database, September 2000
A;Reference number: 226053
A;Accession: T52510
A;Status: preliminary
A;Accession: T52510
A;Status: DNA
A;Residues: 1-719 <SCH>
A;Residues: 1-719 <SCH>
A;Cross-references: UNIPARC:UPI000017B49D; EMBL:AL442164; GSPDB:GN00116; NCSP:B2J23.60
A;Experimental source: BAC clone B2J23; strain OR74A
A;Gene: NCSP:B2J23.60
A;Map position: 6
A;Introns: 349/1; 601/1
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C;Species: Mycobacterium tuberculosis
C;Species: Mycobacterium tuberculosis
C;Accession: B70807
R;Cole, S.T.; Brosch, R.; Parkhill, J.; Garnier, T.; Churcher, C.; Harris, D.; Gordon, S.; Connor, R.; Davies, R.; Devlin, K.; Feltwell, T.; Gentles, S.; Hamlin, N.; Holroyd, S. Rajandream, M.A.; Rogers, J.; Rutter, S.; Seeger, K.; Skelton, S.; Squares, S.
Ayuthors: Sqares, R.; Sulston, J.E.; Taylor, K.; Whitehead, S.; Barrell, B.G.
A;Title: Deciphering the biology of Mycobacterium tuberculosis from the complete genome A;Reference number: A70500; MUID:98295987; PMID:9634230
A;Accession: B70807
A;Accession: B70807
A;Accession: B70807
A;Molecule type: DNA
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A;Cross-references: UNIPARC:UPI0000D3AEA; GB:AL022022; GB:AL123456; NID:g3261554; PIDN:
A;Experimental source: strain H37Rv
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C;Superfamily: collagen alpha 1(I) chain; fibrillar collagen carboxyl-terminal homology
A;Molecule type: DNA
A;Residues: 1-718 <STO>
A;Residues: 1-718 <STO>
A;Croser-references: UNIPROT:Q9ZUWB; UNIPARC:UPI0000ABA4D; GB:AE002093; NID:g3860266; C;Genetics:
A;Gene: At2g27660
A;Map position: 2
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Pred. No. 2.58+02;
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Pred. No. 2.5e+02;
0; Mismatches 1; Indels
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85.7%; Pred. No. 3.8e+02;
tive 0; Mismatches 1; Indels
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Best Local Similarity 85.77
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Best Local Similarity 85.73
Matches 6; Conservative
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Best Local Similarity
Matches 6; Conserv
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A;Residues: 1-352 <GIL>
A;Cross-references: UNIPROT: P10122; UNIPARC: UPI000012ACFE; EMBL: X04398; NID: 941496; PIDN
R;Plunkett, G.
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A;Accession: 84766
A;Accession: 847681
A;Molecule type: DNA
A;Residues: 1-352 <PLU>
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A;Residues: 1-415 <VOL>
A;Cross-references: UNIPROT:Q9U153; UNIPARC:UP100007CE11; EMBL:AL121861; PIDN:CAB58381
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A;Status: preliminary; nucleic acid sequence not shown; translation not shown A;Molecule type: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            cell division protein ftsX - Escherichia coli (strain K-12)
C;Species: Escherichia coli
C;Daccession: 31-Dec-1990 #sequence revision 31-Dec-1990 #text_change 09-Jul-2004
C;Accession: S03132; S47681; A65143
R;Gill, D.R.; Hatfull, G.F.; Salmond, G.P.C.
Mol. Gen. Genet. 2055, 134-145, 1986
A;Fitle: A new cell division operon in Escherichia coli.
A;Reference number: S03129; MUID:87089083; PMID:3025556
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Pred. No. 1.8e+02;
0; Mismatches 1; Indels
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A;Status: preliminary; translated from GB/EMBL/DDBJ
                                                                                    85.0%; Scc...
100.0%; Pred. No. ...
0; Mismatches
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C, Superfamily: cell divisi
C, Keywords: cell division
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Best Local Similarity
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                                                                                                           Query Match
Best Local Similarity
Matches 6; Conserv
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                                                                                                                                                                                                                                                             1 GGIGDG
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C;Genetics:
A;Gene: BH2639
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C;Species: Bacillus halodurans
C;Date: 01-Dec-2000 #sequence_revision 01-Dec-2000 #text_change 09-Jul-2004
C;Accession: G83979
R;Takami, H; Nakasone, K.; Takaki, Y.; Maeno, G.; Sasaki, R.; Masui, N.; Fuji, F.; Hira
Nucleic Acids Res. 28, 4317-4331, 2000
A;Title: Complete genome sequence of the alkaliphilic bacterium Bacillus halodurans and A;Reference number: A83650; MuID:20512582; PMID:11058132
                          hypothetical protein PAB1225 - Pyrococcus abyssi (strain Orsay)

C,Species: Pyrococcus abyssi
C,Species: Pyrococcus abyssi
C,Species: 20-Aug-1999 #sequence_revision 20-Aug-1999 #text_change 09-Jul-2004
C,Accession: H75021

R,anonymous, Genoscope
submitted to the EMBL Data Library, July 1999
A,Bescription: Pyrococcus abyssi genome sequence: insights into archaeal chromosome stru
A,Reference number: A75001
A,Status: preliminary
A,Accession: H7501
A,Status: preliminary
A,Residues: 1-268 < KAW>
A,Residues: 1-268 < KAW>
A,Residues: 1-268 < KAW>
A,Experimental source: strain Orsay
C,Genetics: Assistant orsay
A,Genetics: Strain Orsay
C,Genetics: Pyrococcus horikoshii hypothetical protein PH1935
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C;Species: Clostridium acetobutylicum
C;Date: 14-Sep-2001 #sequence_revision 14-Sep-2001 #text_change 09-Jul-2004
C;Accession: H97398
R;Nolling, J; Breton, G; Omelchenko, M.V.; Markarova, K.S.; Zeng, Q.; Gibson, R.; Lee,
J; Daly, M.J.; Bennett, G.N.; Koonin, E.V.; Smith, D.R.
J; Bacteriol. 183, 4823-4838, 2001
A;Title: Genome Sequence and Comparative Analysis of the Solvent-Producing Bacterium Clc
A;Reference number: A96900; MUID:21359325; PMID:21359325
A;Accession: H97338
A;Accession: H97338
A;Accession: H97338
A;Residues: 1-310 <KUR>
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A;Cross-references: UNIPROT:Q9K9K6; UNIPARC:UP100000C3F73; GB:AP001516; GB:BA000004; NID
A;Experimental source: strain C-125
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C;Genetics:
A;Gene: CAC3576
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0. 1.40+02;
0; Indels
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Best Local Similarity
Matches 6; Conserv
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A, Experimental source: strain Friedlin C, Genetics: A, Note: L4326.05

226 GIGDGG 231

2 GIGDGG 7

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C. Species: Nostoc sp. PCC 7120
A.Note: Nostoc sp. PCC 7120
A.Note: Nostoc sp. Strain PCC 7120
A.Note: Nostoc sp. Strain PCC 7120
A.Note: Nostoc sp. Strain PCC 7120
A.Note: Nostoc sp. Strain PCC 7120
A.Note: Note: Nakamura, P. Strain PCC 7120
C. Accession: AC2306
B.Kaneko, T.; Nakamura, Y.; Wolk, C.P.; Kuritz, T.; Sasamoto, S.; Watanabe, A.; Iriguc Nakazaki, N.; Shimpo, S.; Sugimoto, M.; Takazawa, M.; Yamada, M.; Yasuda, M.; Tabata, DNA Res. 8, 205-213, 2001
A.Title: Complete Genomic Sequence of the Filamentous Nitrogen-fixing Cyanobacterium A. A.Title: Complete Genomic Sequence of the Filamentous Nitrogen-fixing Cyanobacterium A. A.Stefatus: preliminary
A.Molecule type: DNA
A.Molecule type: DNA
A.Residues: 1-476 < KUR>
A.Residues: 1-476 < KUR>
A.Residues: UNIPROT: OBYQ34; UNIPARC: UPI00000CE9A3; GB: BA000019; PIDN: BAB75701.
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C;Species: Amycolatopsis orientalis
C;Species: Amycolatopsis orientalis
C;Species: Amycolatopsis orientalis
C;Accession: T17478
R;Van Wageningen, A.; Kirkpatrick, P.; Williams, D.; Harris, B.; Kershaw, J.; Lennard, C;Accession: T17478
A;Title: Sequencing and analysis of genes involved in the biosynthesis of a vancomycin A;Reference number: Z18804
A;Accession: T17478
A;Accession: T17478
A;Accession: T17478
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: DNA
A;Residues: 1-495 <VAN>
A;Residues: 1-495 <VAN>
A;Residues: 1-495 <VAN>
A;Residues: 1-495 <VAN>
A;Cross-references: UNIPROT:052799; UNIPARC:UPI0000BTCOA; EMBL:AJ223998; NID:e1251208,
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hypothetical protein all4002 [imported] - Nostoc sp. (strain PCC 7120)
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C;Superfamily: photosystem II chlorophyll a-binding protein psbC
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Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels
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76 GIGDGG 81
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C;Species: Helianthus annuus (common sunflower)
C;Date: a.3.Ul-1999 #sequence_revision 23.Jul-1999 #text_change 09-Jul-2004
C;Accession: T12583
R;Slabaugh, M.B.; Katemgam, S.; Hongtrakul, V.; Knapp, S.J.
R;Slabaugh, M.B.; Katemgam, S.; Hongtrakul, V.; Knapp, S.J.
A;Description: Sunflower FatB thioesterase CDNA.
A;Reference number: 217543
A;Reference number: 217543
A;Reterence number: 217543
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C;Superfamily: transitional endoplasmic reticulum ATPase; FtsH/SEC18/CDC48-type ATP-bind
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C;Species: Homo sapiens (man)
C;Date: 04-Feb-2000 #sequence_revision 04-Feb-2000 #text_change 09-Jul-2004
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                                                                                                                                                       Query Match 85.0%; Score 34; DB 2; Length 415; Best Local Similarity 100.0%; Pred. No. 2.1e+02; Matches 6; Conservative 0; Mismatches 0; Indels
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85.7%; Pred. No. 2.2e+02;
ive 0; Mismatches 1; Indels
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Query Match
Best Local Similarity 85.73
Matches 6; Conservative

376 GGIGDSG 382

1 GGIGDGG 7

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| ||||| 213 GNIGDGG 219

RESULT 35 AC2306

1 GGIGDGG 7

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A;Residues: 1-572 - RAM>
A;Cross-references: UNIPROT:Q9USP2; UNIPARC:UPI00006BAB4; EMBL:AL121783; PIDN:CAB57847
A;Experimental source: strain 972h-; cosmid c11E10
C;Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   C;Accession: T48224
**Bevan, M.; Peters, S.A.; van Staveren, M.; Dirkse, W.; Stiekema, W.; Bancroft, I.; Mesubmitted to the Protein Sequence Database, March 2000
**Submitted to the Protein Sequence Database, March 2000
***A.Reference number: 224488
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                C,Accession: S23391
R;Rashbass, J.; Taylor, M.V.; Gurdon, J.B.
R;Rashbass, J.; Taylor, M.V.; Gurdon, J.B.
R;Rashbass, J.; Taylor, M.V.; Gurdon, J.B.
A;Title: The DNA-binding protein E12 co-operates with XMyoD in the activation of muscle A;Reference number: S23391; MUID: 92347333; PMID: 1322293
A;Accession: S23391
A;Molecule type: mRNA
A;Residues: 1-658 <RAS>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              transcription factor E12 - African clawed frog
N;Alternate names: DNA-binding protein E12
C;Species: Xenopus laevis (African clawed frog)
C;Date: 10-Sep-1999 #sequence_revision 10-Sep-1999 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              probable homeodomain protein - Arabidopsis thaliana
N;Alternate names: protein T7H20.80
C;Species: Arabidopsis thaliana (mouse-ear cress)
C;Date: 20-Apr-2000 #sequence_revision 20-Apr-2000 #text_change 09-Jul-2004
                                                                                       C,Species: Schizosaccharomyces pombe
C,Date: 03-Dec-1999 #sequence_revision 03-Dec-1999 #text_change 09-Jul-2004
                                                             fission yeast (Schizosaccharomyces pombe)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A,Cross-references: UNIPROT.09LZM8; UNIPARC:UPI00000A5BD9; EMBL:AL162508
A,Experimental source: cultivar Columbia; BAC clone T7H20
                                                                                                                                                     R;Ramsperger, U.; Pohl, T.; Wood, V.; Rajandream, M.A.; Barrell, B.G. submitted to the EMBL Data Library, October 1999
A;Reference number: Z21952
A;Accession: T40856
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 34; DB 2; Length 575;
Pred. No. 3e+02;
0; Mismatches 1; Indels
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100.0%; Pred. No. 3e+02;
ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                           A,Status: preliminary; translated from GB/EMBL/DDBJ
A,Molecule type: DNA
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85.7%;
                                                                  probable nucleotide phosphatase
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Best Local Similarity 100..
The 6; Conservative
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A;Introns: 240/3; 374/2; 394/3
A;Note: T7H20.80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 85.7
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                      A,Gene: SPDB:SPCC11E10.05c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             541 GGSGDGG 547
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 GGIGDGG 7
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A; Status: preliminary
A; Molecule type: DNA
A; Residues: 1-575 < BEV>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      44 GIGDGG 49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2 GIGDGG 7
                                                                                                                                          C; Accession: T40856
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T48224
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R; Fulton, B.; Hawkins, J.; Gattung, S.; Wohldmann, P.; Elliott, G.
R; Fulton, B.; Hawkins, J.; Gattung, S.; Wohldmann, P.; Elliott, G.
R; Fulton, B.; Hawkins, J.; Gattung, S.; Wohldmann, P.; Elliott, G.
R; Fulton, B.; Hawkins, J.; Gegans cosmid K07H8.
A; Recference number: Z21264
A; Recference T33024
A; Recidue: T33024
A; Residue: 1-507 < FUL>
A; Residue: 1-507 < FUL>
A; Residue: 1-507 < FUL>
A; Residue: 1-507 < FUL>
A; Residue: 1-507 < FUL>
A; Cross-references: UNIPROT:045182; UNIDARC:UPIO000080E7E; EMBL:AF047659; PIDN:AAC04427.
A; Experimental source: strain Bristol N2; clone K07H8
A; Cross-references: UNIPROT:045182; A47/3
A; Map position: 4
A; Map position: 4
A; Mathematical S2/3; 55/2; 93/3; 152/3; 447/3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ryanodine receptor Dry / intracellular Ca(2+)-release channel homolog - fruit fly (Drosd C;Species: Drosophila melanogaster
C;Species: 21-Jan-1994 #sequence_revision 18-Nov-1994 #text_change 11-Jun-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       sigma region 1 homold
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                                                                                                                                                                                                                                                                                                                                                                     hypothetical protein K07H8.2 - Caenorhabditis elegans
C,Species: Caenorhabditis elegans
C,Date: 29-Oct-1999 #sequence_revision 29-Oct-1999 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
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C,Superfamily: ryanodine receptor; transcription initiation factor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 507;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 508;
                                                                                            Length 496;
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85.7%; Pred. No. 2.6e+02;
iive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 85.0%; Score 34; DB 2; Length 507
100.0%; Pred. No. 2.6e+02;
iive 0; Mismatches 0; Indels
                                                                                                                                               Indels
C,Genetics:
A,Gene: Rv0109
C,Superfamily: Phaseolus glycine-rich cell wall protein 1.8
                                                                                         Query Match 85.0%; Score 34; DB 2; I Best Local Similarity 71.4%; Pred. No. 2.6e+02; Matches 5; Conservative 2; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 85.77
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243 GGVGNGG 249
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Matches
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A; Accession: 512537
A; Molecule type: mRNA
A; Residues: 442-805 <-PET2>
A; Residues: 442-805 <-PET2>
A; Residues: 442-805 <-PET2>
A; Coross-references: UNIPARC:UPI0000172C3A; EMBL:X54240
A; Coross-references: UNIPARC:UPI0000172C3A; EMBL:X54240
A; Coross-references: UNIPARC:UPI0000172C3A; MUD:90269209]
C; Complex: homooligomer [validated, MUID:90269209]
C; Complex: homooligomer [validated, MUID:90269209]
C; Complex: homooligomer [validated, MUID:90269209]
C; Superfamily: transitional endoplasmic reticulum ATPase
C; Superfamily: transitional endoplasmic reticulum ATPase
C; Superfamily: transitional endoplasmic reticulum ATPase
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C; Superfamily: Tran
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Varianticonal endoplasmic reticulum ATPase - pig

NyAlternate names: CDG48 homolog; TER ATPase; valosin-containing protein

NyContains: ATPase (EC 3.6.1.)

C;Species: Sus scrofa domestica (domestic pig)

C;Species: Sus farcofa domestica (domestic pig)

C;Accession: A26360; A01627

R;Koller, K.J; Browmstein, M.J.

Nature 325, 342-545, 1987

A;Title: Use of a cDNA clone to identify a supposed precursor protein containing valos

A;Title: Use of a cDNA clone to identify a supposed precursor protein containing valos

A;Reference number: A26360; MUID:87115844; PMID:3468358

A;Article: Use of A cDNA clone to identify a supposed precursor protein containing valos

A;Reference number: A26360, MUID:87115844; PMID:3468358

A;Residues: 1806 - KOLb

A;Cross-references: UNIPARC:UPIO000172C35; GB:M30143

R;Schmidt, W.E.; Mutt, V.; Carquist, M.; Kratzin, H.; Conlon, J.M.; Creutzfeldt, W.

FBBS: Left. 191, 264-2684, 1985

A;Title: Valosin: isolation and characterization of a novel peptide from porcine intes

A;Reference number: A01627; MUID:86030678; PMID:4054310

A;Residues: 493-517 & SGH>

A;Residues: 493-517 & SGH>

A;Residues: 493-517 & CSCH>

A;Resid
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Best Local Similarity 85.7-
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A;Cross-references: UNIPROT:Q01978; UNIPARC:UPI00000BAEB; EMBL:X66959; NID:g65223; PIDN C;Superfamily: human transcription factor 3
C;Keywords: transcription factor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 probable cell division cycle protein - Trypanosoma cruzi
C;Species: Trypanosoma cruzi
C;Species: Trypanosoma cruzi
C;Species: Trypanosoma cruzi
C;Species: Trypanosoma cruzi
C;Species: Trypanosoma cruzi
C;Species: Trypanosoma cruzi
C;Accession: T14605
R;Andersson, B.; Aslund, L.; Pettersson, U.
B;Andersson, B.; Aslund, L.; Pettersson, U.
B;Andersson, B.; Aslund, L.; Pettersson, U.
B;Andersson, B.; Aslund, Data Library, March 1998
A;Becription: 93.4 kb of complete sequence from chromosome 3 of Trypanosoma cruzi.
A;Reference number: Z18159
A;Reference number: Z18159
A;Reference number: Z18159
A;Reference number: Z18159
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C,Generimental source: strain H37Rv
C,Gene: Rv3388
C,Superfamily: elastin related uncharacterized glycine-rich protein, PE motif containing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Cipecies: Mycobacterium tuberculosis
Cipate: 17-010-1998 #sequence_revision 17-010-1998 #text_change 07-Mar-2003
Cipate: 17-010-1998 #sequence_revision 17-010-1998 #text_change 07-Mar-2003
Cipate: 17-010-1998 #sequence_revision 17-010-1998 #text_change 07-Mar-2003
Cipates: Connor, R.; Brosch, R.; Parkhill, J.; Garnier, T.; Churcher, C.; Hamlin, N.; Holroyd, S. Rajandream, M.A.; Rogers, J.; Rutter, S.; Seeger, K.; Skelton, S.; Hamlin, N.; Holroyd, S. Naturner. 393, S37-544, 1998
A;Authors: Sqares, R.; Sulston, J.E.; Taylor, K.; Whitehead, S.; Barrell, B.G.
A;Authors: Sqares, R.; Sulston, J.E.; Taylor, K.; Whitehead, S.; Barrell, B.G.
A;Accession: C70974
A;Accession: C70974
A;Accession: C70974
A;Accession: cross-connected for acid sequence not shown; translation not shown
A;Molecule type: DNA
A;Residues: 1-731 <COL>
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                                                                                                                                                                                                                   Length 658
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Pred. No. 3.4e+02;
0; Mismatches 1;
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Best Local Similarity 85.7
Matches 6; Conservative
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Best Local Similarity 100.
Matches 6; Conservative
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GGVGNGG 444
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Rilemerdin, D.B.; McCready, P.M.; Skowronski, E.; Adamson, A.W.; Burkhart-Schultz, K.; (
.; Christensen, M.; Georgescu, A.; Avila, J.; Liu, S.; Attix, C.; Andreise, T.; Trankhe:
submitted to the EMBL Data Library, March 1998
A;Authors: Duarte, S.; Lucas, S.; Bruce, R.; Thomas, P.; Quan, G.; Kronmiller, B.; Arel:
A;Description: Sequence analysis of a human Pl clone containing the XRCC9 DNA repair gel
A;Reference number: 214637
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A;Introns: 6/2; 43/3; 101/2; 149/1; 192/3; 236/3; 271/1; 315/3; 361/1; 398/3; 453/3; 49. C;Superfamily: transitional endoplasmic reticulum ATPase; FtsH/SEC18/CDC48-type ATP-bin F;491-701/Domain: FtsH/SEC18/CDC48-type ATP-binding domain homology <VAT>
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A;Status: preliminary
A;Molecule type: DNA
A;Molecule: 1-822 <HILL>
A;Cross-references: UNIPROT:Q57366; UNIPARC:UPI0000129504; EMBL:L46851; NID:g1161235; P
A;Experimental source: strain IL106
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A;Residues: 43-53;269-284;286-293;427-440;617-621;623-626;'ED';644-656 <YA2>
A;Cross-references: UNIPARC:UP10000178AB7; UNIPARC:UP10000178AB8; UNIPARC:UP10000178AB9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A;Residues: 1-806 <LAM>
A;Cross-references: UNIPROT:P55072; UNIPARC:UP1000005FB2E; EMBL:AC004472; NID:g2984582;
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Biosci. Biotechnol. Biochem. 59, 1850-1855, 1995
A;Title: Cloning and nucleotide sequence of the gene encoding dimethyl sulfoxide
A;Reference number: JC4322; MUID:96068928; PMID:8534974
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  C;Species: Homo sapiens (man)
C;Date: 05-Mar-1999 #sequence_revision 05-Mar-1999 #text_change 09-Jul-2004
C;Accession: T02243
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 34, DB 2; Length 806;
Pred. No. 4.2e+02;
0; Mismatches 1; Indels
                           Length 806;
                                                                                                                                                                                                                                                                                                                                                                                                                                           probable transitional endoplasmic reticulum ATPase - human
                           Score 34; DB 1; 1
Pred. No. 4.2e+02;
                                                                                                         0; Mismatches
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A,Status: translated from GB/EMBL/DDBJ
A,Molecule type: DNA
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                       85.0%;
85.7%;
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                                                                                                     6; Conservative
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Best Local Similarity
Matches 6; Conserv
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                               Query Match
Best Local Similarity
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N;Alternate names: CDC48 homolog; TER ATPase; valosin-containing protein
C;Species: Rattus norvegicus (Norway rat)
C;Date: 27-Jan-1995 #sequence_revision 13-Mar-1997 #text_change 09-Jul-2004
C;Accession: A55190
R;Zhang, Li, Ashendel, Cl., Becker, G.W.; Morre, D.J.
J; Call Biol, 127, 1871-1883, 1994
A;Tille: Isolation and characterization of the principal ATPase associated with transiti
A;Reference number: A55190; MUID:95105231; PMID:7806566
A;Accession: A55190; MUID:95105231; PMID:7806566
A;Accession: A55190; MUID:95105231; PMID:7806566
A;Accession: A55190; MUID:95105231; PMID:7806566
A;Accession: A55190; MUID:95105231; PMID:95105231]
A;Molecule type: mANA
A;Reference number: A55190; MUID:95105231]
A;Roberidues: 1.806 A:ZHA>
A;Cross-references: UNIPROT:P46462; UNIPARC:UPIO000136BC9; GB:U11760; NID:9641972; PIDN:
A;Experimental source: liver
C;Complex: hexamer of six 100K chains [validated, MUID:95105231]; ring-shaped structure
C;Complex: hexamer of six 100K chains [validated, MUID:95105231]
A;Description: EC 3.6.1.-; ATPase [validated, MUID:95105231]
A;Description: EC 3.6.1.-; ATPase [validated, MUID:95105231]
A;Description: EC 3.6.1.-; ATPase [validated, muid: presence of magnesium
C;Superfamily: transitional endoplasmic reticulum ATPase; FtsH/SEC18/CDC48-type ATP-binding domain homology <VATI>
F;218-425/Domain: FtsH/SEC18/CDC48-type ATP-binding domain homology <VATI>
F;245-252/Region: nucleotide-binding motif A (P-loop)
F;518-525/Region: nucleotide-binding motif A (P-loop)
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N.Alternate names: CDC48 homolog; TER ATPase; valosin-containing protein
N.Alternate names: CDC48 homolog; TER ATPase; valosin-containing protein
C;Species: Wis misculus (house mouse)
C;Date: 07-May-1993 #sequence_revision 13-Mar-1997 #text_change 09-Jul-2004
C;Date: 07-May-1993 #sequence_revision 13-Mar-1997 #text_change 09-Jul-2004
C;Date: 07-May-1993 #sequence_revision 13-Mar-1997 #text_change 09-Jul-2004
C;Date: 07-May-1993 #sequence_revision 13-Mar-1997 #text_change 09-Jul-2004
C;Date: 07-May-1993 #sequence_revision 13-Mar-1997 #text_change 09-Jul-2004
R;Egerton, M.; Ashe, O.R.; Cden, D.; Druker, B.J.; Burgess, W.H.; Samelson, L.E.
EMBO J. 11, 3533-3540, 1992
A;Pite ference number: S25197, MUID:93010943; PMID:1382975
A;Accession: S25197
A;Molecule type: mRNA
A;Residues: 1-806 cEGE>
A;Cross_references: UNIPRAC:UP1000017233; UNIPARC:UP10000172C39
A;Cross_references: UNIPARC:UP10000172C39
A;Cross_references: UNIPARC:UP10000172C39; UNIPARC:UP10000172C39
C;Superfamily: transitional endoplasmic reticulum ATPase; FtsH/SEC18/CDC48-type ATP-binding domain homology <UAT1>
F;245-252/Region: nucleotide-binding motif A (P-loop)
F;491-701/Domain: FtsH/SEC18/CDC48-type ATP-binding domain homology <UAT2>
F;518-525/Region: nucleotide-binding motif A (P-loop)
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                           Length 806;
                               Score 34; DB 1; L
Pred. No. 4.2e+02;
0; Mismatches 1;
                                   85.0%;
85.7%;
Best Local Similarity 85.7
Matches 6; Conservative
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R; Barber, M.J.; van Valkenburgh, H.; Trimboli, A.J.; Pollock, V.V.; Neame, P.J.; Bastian Arch. Biochem. Biophys. 320, 266-275, 1995

A; Title: The amino acid sequence of Rhodobacter sphaeroides dimethyl sulfoxide reductase A; Reference number: S66255; MUID:95351787; PMID:7625833

A; Accession: S66255

A; Molecule type: protein

A; Residues: 43-67; 806-813, F', 815-816, F', 818 «BAR>
A; Cross-references: UNIPARC:UPI0000178ABF; UNIPARC:UPI0000178AC0

A; Accession: S66263

A; Status: preliminary

A; Molecule type: DNA

A; Residues: 53-189, W, 160-184, VV, 186-191, G', 193-198, VY, 200-370, MAQ', 374-421, A', 423

A; Cross-references: UNIPARC:UPI0000178ABF; UNIPARC:UPI0000178AC0; EMBL:U25037

A; Experimental source: strain IL 106

A; Note: the authors translated the codon NAT for residue 129 as Lys, GTC for residue 425

C; Function:

A; Function:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Vibranciption: catalyzes the reduction of many oxide compounds
A;Description: catalyzes the reduction of many oxide compounds
A;Note: cofactor molybdenum; is synthesized inducibly in the presence of dimethyl sulfox
B;Superfamally: trimethylamine-Noxide reductase
C;Keywords: molybdenum; monomer; oxidoreductase; periplasmic space
F;1-42/Domain: signal sequence #status predicted <SIG>
F;3-822/Product: methionine-S-oxide reductase #status predicted <MAT>
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Q6yum4 oryza sativ Q94534 drosophila Q4h937 deinococus Q4h394 ciona intes	Q4h3g5 ciona intes Q51pi1 magnaporthe	Q7uxr4 rhodopirell Q9duc2 torque teno Q52747 oryza sativ Q9c6y9 arabidopsis	Q9a971 caulobacter Q4p316 ustilago ma Q68842 streptomyce	Qiloby Brrepromyce Q61561 oryza sativ Q698q7 oryza sativ	Q5rj37 brachydanio Q4zll5 pseudomonas	Q87ub4 pseudomonas Q82jp7 streptomyce O9ied3 buman immun	P06394 bos taurus Q4rrb2 tetraodon n O29213 archaeoglob	Q5syh2 cryptococcu Q5klg8 cryptococcu Q8lmj1 oryza sativ Q82jr0 streptomyce	097017 stylophora Q6231 caenorhabdi O61851 caenorhabdi Q914w3 streptomyce	Q6uuk5 oryza sativ Q5n8i5 oryza sativ Q624a5 oryza sativ Q69x80 oryza sativ	Q69116 oryza sativ Q8xt51 ralstonia s	Q94257 caenorhabdi Q9ar21 zea mays (s Q9at82 zea mays (m	Q9at84 zea mays (m Q9at87 zea mays (s Q9at89 zea mays (s	Ogargi zea diplope Ogari6 zea mays (m	Q9ar17 zea mays (s Q9at83 zea mays (m	zea mays zea mays	Q9at90 zea mays (s Q9at90 zea mays (s O634f1 hurkholderi	Q4v2v2 burkholderi	Obbard corque teno	OSques oryza sativ	ara pru	sch orv	ory	ory	ory	Q8s0r0 oryza sativ Q6avl7 oryza sativ		
								2 Q55YH2 CRYNE 2 Q5KLG8 CRYNE 2 Q8LMJ1 ORYSA 2 Q82JR0 STRAW																			ALIGNMENTS	
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GenCore version 5.1.7 (c) 1993 - 2006 Biocceleration Ltd.	ng sw model	<pre>16, 09:42:49 ; Search time 234 Secon (without alignments) 21.106 Million cell upda</pre>			7	sen param		0% 100% 100 summaries	t:* b]:*	results predicted by chance to have 1 to the score of the result being of the total score distribution.	SUMMARIES	ID Descript		Q7btu0 Q935f2	Q9r1C9 068765	Q63876 Q43494 Q43878	Q6a155 Q6a155 Q24779	Q91083 Q91083 O5qq59	Q27783 Q27783 O58293		033303 Q4ntr7	OCR P28349 CANAL Q5a4z5	TETING Q4tid1	ORYSA Q7xhx5	PSEPK Q88r66	9NXG7 HUMAN Q9nxg7 8LNH8_ORYSA Q81nh8	0/sbl8 091g66 05bia5	75135_ORYSA Q75135
Gen Copyright (c)	protein search, using	February 27, 2006,	US-10-027-015B-2 40 1 GGIGDGG 7	162	, 0,	hits satisfying	length: 0 length: 2000000000	Minimum Match 0 Maximum Match 1 Listing first 1	<pre>UniProt_05.80:* 1: uniprot_sprot:* 2: uniprot_trembl:</pre>	No. is the number of greater than or equal derived by analysis o	d	ouery Match Length DB	195 2	314 2	331 2	351 2	395 2	425 2	527 1	742 1	984 2	1090	261 294	333	43.5	1291	95.0 214 2 95.0 228 2	273
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TIGR; DR2137; -.
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0935F2 SA
1D 0935
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DT 01-D
DT 01-D
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MEDLINE=20036896; PubMed=10567266; DOI=10.1126/science.286.5444.1571;
White O., Eisen J.A., Heidelberg J.F., Hickey E.K., Peterson J.D.,
Dodson R.J., Haft D.H., Gwinn M.L., Nelson W.C., Richardson D.L.,
Moffat K.S., Qin H., Jiang L., Pamphile W., Crosby M., Shen M.,
Vamathevan J.J., Lam P., McDonald L.A., Utterback T.R., Zalaewski C.,
Makarova K.S., Aravind L., Dally M.J., Minton K.W., Fleischmann R.D.,
Ketchum K.A., Nelson K.E., Salzberg S.L., Smith H.O., Venter J.C.,
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                                                                                                                                                                                                                                                                                                                    Eukaryota; Euglenozoa; Kinetoplastida; Trypanosomatidae; Leishmania.
NCBI_TaxID=5664;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The genome of the kinetoplastid parasite, Leishmania major.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 40; DB 2; Length 195; 100.0%; Pred. No. 87;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Bacteria; Deinococcus-Thermus; Deinococci; Deinococcales; Deinococcaceae; Deinococcus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             EMBL; CP000080; AAZ09527.1; -; Genomic_DNA.
Hypothetical protein.
SEQUENCE 195 AA; 21559 MW; E31A79FCEBB504D5 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                01-MAY-2000 (TrEMBLrel. 13, Created)
01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
01-UNN-2003 (TrEMBLrel. 24, Last annotation update)
Hypothetical protein DR2137.
OrderedLocusNames=DR2137;
                                                                                                                                                                                                         Last annotation update)
                                                                                                                                                                           Last sequence update)
                                                                                  195 AA.
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                                                                                  PRT;
                                                                                                                                               Created)
                                                                                                                                   T3-SEP-2005 (TrEMBLrel. 31, 13-SEP-2005 (TrEMBLrel. 31, 13-SEP-2005 (TrEMBLrel. 31, Hypothetical protein. ORFNames=LMJ_0712;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Q9RSI7_DEIRA PRELIMINARY;
Q9RSI7;
                                                                               Q4FXY3_LEIMA PRELIMINARY;
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Best Local Similarity
Matches 7; Conserv
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                                                                                                                                                                                                                                                                                               Leishmania major.
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                                                                                                                                                                                                                                                                                                                                                                                                                                              STRAIN=Friedlin;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Myler P.J.;
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                                                          Q4FXY3 LEIMA
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Hu P., Elliott J., McCready P., Skowronski E., Garnes J.,
Kobayashi A., Brubaker R.R., Garcia E.;
"Structural organization of virulence-associated plasmids of Yersinia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;
Enterobacteriaceae; Yersinia.
NCBL_TaxID=187410;
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"Genome sequence of the radioresistant bacterium Deinococcus radiodurans R1."; Science 286:1571-1577 (1999). EMBL; AE002048; AE1691.1; -; Genomic_DNA.
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                                                                                                                                                                                                                                    Length 256;
                                                                                                                                                                                                                                                                                     0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              289 AA; 32751 MW; 2ADF905515D2B3A5 CRC64;
                                                                                                                                                               Complete proteome; Hypothetical protein. SEQUENCE 256 AA; 28200 MW; 295746BDBFF36355 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Q335F2_SALTI PRELIMINARY; PRT; 314 AA.
0355F2;
01-DEC-2001 (TrEMBLrel. 19, Created)
01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
Putative exonuclease.
OrderedLocusNames=HCM2.0010c;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                05-JUL-2004 (TrEMBLrel. 27, Last sequence update) 05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     EMBL; AF053947; AAC13209.1; -; Genomic DNA.
EMBL; AF053947; AAC13209.1; -; Genomic DNA.
GO; GO:0008409; F:5'-3' exonuclease activity; IEA.
GO; GO:0003677; F:DNA binding; IEA.
GO; GO:0016787; F:DNA binding; IEA.
                                                                                                                                                                                                                                  100.0%; Score 40; DB 2; I
100.0%; Pred. No. 1.1e+02;
iive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Mismatches
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InterPro; IPR000513; Exo_N I.
InterPro; IPR008918; HhHZ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Created)
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Pfam; PF02739; 5.3 exonuc N; 1.
SMART; SM00475; 5.3 EXOC; 1.
SMART; SM00279; HHHZ; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 05-JUL-2004 (TrEMBLrel. 27,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Q7BTU0_YERPE PRELIMINARY;
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Best Local Similarity 100...
                                                                                                                                                                                                                                                            Local Similarity 100.
Les 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                       154 GGIGDGG 160
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Tersinia pestis KIM.
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Song Y., Tong Z., Wang J., Wang L., Guo Z., Han Y., Zhang J., Pei D., Zhou D., Qin H., Pang X., Han Y., Zhai J., Li M., Cui B., Qi Z., Jin L., Dai R., Chen F., Li S., Ye C., Du Z., Lin W., Wang J., Yu J., Yang H., Wang J., Huang P., Yang R., "Complete genome sequence of Yersinia pestis strain 91001, an isolate avirulent to humans."; avirulent to humans."; BMBL, AL11711, CABS5233.1; -; Genomic DNA. EMBL, AE017045; AAS58701.1; -; Genomic DNA.
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"Complete DNA sequence and detailed analysis of the Yersinia pestis
KIMS plasmid encoding murine toxin and capsular antigen.";
Infect. Immun. 66:5731-5742(1998).
EMBL; AF074611; AAC82769.1; -; Genomic_DNA.
PIR; T14694; T14694.
PIR; T14694; T15026; T15026.
GO; GO:0008409; F:5'-3' exonuclease activity; IEA.
GO; GO:0003677; F:DNA binding; IEA.
GO; GO:0003677; F:DNA binding; IEA.
GO; GO:000131; F:hydrolase activity; IEA.
InterPro; IPR00241; 5_3_exonuclease.
InterPro; IPR009818; HHHZ.
InterPro; IPR009818; HHHZ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Plasmid pWT-1.

Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;
Enterobacteriaceae; Yersinia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Complete proteome, Exonuclease, Hypothetical protein, Plasmid. SEQUENCE 314 AA; 35664 MW; 0070BFF6DFB552C7 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 314;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 331;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Hypothetical protein; Plasmid.
SEQUENCE 331 AA; 37395 MW; 394B3DEE749D260C CRC64;
                                                                                                                                                                                                                                                                                                                                                          GO; GO:0008409; F:5'-3' exonuclease activity; IEA.
GO; GO:0003677; F:DNA binding; IEA.
GO; GO:0016787; F:DNA binding; IEA.
GO; GO:0016787; F:DNA binding; IEA.
InterPro; IPR002421; S_3 exonuclease.
InterPro; IPR008313; Exo N I.
InterPro; IPR008918; HhHZ.
Ffam; PP0136; S_3 exonuc, 1.
Ffam; PF02739; S_3 exonuc, N; I.
SMART; SM00475; S_3 EXOC; I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             01-AUG-1998 (TrEMBLrel. 07, Created)
01-AUG-1999 (TrEMBLrel. 11, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
Hypothetical protein Y1111.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 40; DB 2; I
100.0%; Pred. No. 1.4e+02;
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Pred. No. 1.5e+02;
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Ppfam; PF02739; 5 3 exonuc N; 1.
SMART; SM00475; 53EXOC; 1.
SWART; SM00279; HJH22; 1.
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068765;
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Best Local Similarity 100.
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Best Local Similarity
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             PubMed=15368893;
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MEDLINE=1534947; PubMed=11677608; DOI=10.1038/35101607;
MEDLINE=21534947; PubMed=11677608; DOI=10.1038/35101607;
MEDLINE=21534947; PubMed=11677608; DOI=10.1038/35101607;
MINE=21534947; PubMed=11677608; Doi-10.1038/35101607;
Churcher C.M., Mungall K.L., BentLey S.D., Holden M.T. G., Sebaihia M., Baker S., Baroks K., Chillingworth T., Connerton P., Cronin A., Davis P., Davies R.M., Dowd L., White N., Sarrar J., Fettwell T., Hamlin N., Haque A., Hien T.T., Holroyd S., Jagels K., Krogh A., Larsen T.S., Leather S., Moule S., O'Gaora P., Parry C., Quail M.A., Rutherford K.M., Simmonds M., Skelton J., Stevens K., Whitehead S., Barrall B.G., Whitehead S., Barrall B.G., "Complete genome sequence of a multiple drug resistant Salmonella enterica servora Typhi CT18.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STRAIN=CO-92 / Biovar Orientalis; PLASMID=pWT1;
MEDLINE=21470413; PubMed=11586360; DOI=10.1038/35097083;
MEDLINE=21470413; PubMed=11586360; DOI=10.1038/35097083;
MEDLINE=21470413; PubMed=11586360; DOI=10.1038/35097083;
Parkiil J., Waren B.W., Thomson N.R., Titball R.W., Mungall K.L.,
Baker S., Basham D., Bentley S.D., Brooks K., Cerdeno-Tarraga A.-M.,
Chillingworth T., Cronin A., Davies R.M., Davis P., Dougan G.,
Feltwell T., Hamlin N., Holroyd S., Jagels K., Karlyshev A.V.,
Leather S., Moule S., Oyston P.C.F., Quail M.A., Rutherford K.M.,
Simmonds M., Skelton J., Stevens K., Whitehead S., Barrell B.G.;
"Genome sequence of Fyersinia pestis, the causative agent of plague.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                               Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;
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Enterobacteriaceae; Yersinia.
NCBL_TaxID=632;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Complete proteome, Exonuclease, Plasmid.
SEQUENCE 314 AA; 35755 MW; 4E4B50C355FEA2C8 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              01-MAY-2000 (TrEMBLrel. 13, Created)
10-MAY-2000 (TrEMBLrel. 13, Last sequence update)
10-MAY-2005 (TrEMBLrel. 30, Last annotation update)
Putative exonuclease (Hypothetical protein).
OrderedLocusNames=YPWT1.51c, pMT068;
Yersinia pestis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Nature 413:848-852(2001).

EMBL; AL513384; CAD09877.1; -; Genomic DNA.

GO; GO:0008409; F:5'-3' exonuclease activity; IEA.

GO; GO:0003677; F:DNA binding; IEA.

GO; GO:0016787; F:Hydrolase activity; IEA.

InterPro; IPR002421; 5_3 exonuclease.

InterPro; IPR002431; ENA.

InterPro; IPR008918; HhHZ.
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Pfam; PF02719; 5_3_exonuc_N; 1.
SMART; SM00475; 5_3EXOc; 1.
SWART; SM00279; HhH2; 1.
                                                                                       Enterobacteriaceae; Salmonella
NCBI_TaxID=601;
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09RIC9; 074YKZ;

01-MAY-2000 (TEMBLE1. 13, C)

01-MAY-2000 (TEMBLE1. 13, Li

10-MAY-2005 (TEMBLE1. 30, Li
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NUCLEOTIDE SEQUENCE.
STRAIN=91001; PLASMID=pMT1;
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Les 7; Conservative
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                                                                                                                                                                                               SEQUENCE
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Salmonella typhi.
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Matches

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Last sequence update) Last annotation update)

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Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; rosids; eurosids I; Fabales; Fabaceae; Papilionoideae; Genisteae; Lupinus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Desulfotalea psychrophila.
Bacteria, Proteobacteria, Deltaproteobacteria, Desulfobacterales,
Desulfobulbaceae, Desulfotalea.
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MEDLINE=95201240; PubMed=7894011;
Macknight R.C., Reynolds P.H., Farnden K.J.;
"Analysis of the lupin Nodulin-45 promoter: conserved regulatory sequences are important for promoter activity.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 40; DB 2; Length 351; 100.0%; Pred. No. 1.6e+02; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Rice S.J., Grant M.R., Reynolds P.H.S., Farnden K.J.; "DNA sequence of Nodulin-45 from Lupinus angustifolius.";
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Legeay O.M., Rice S.J., Farnden K.J., Reynolds P.H.S.;
Submitted (JAN-1994) to the EMBL/GenBank/DDBJ databases.
EMBL; L12388; AAA73961.1; -; Genomic_DNA.
PIR; S70765; S70765.
SEQUENCE 351 AA; 38229 WW; 456F6D887CDAA326 CRC64;
                  TISSUE-Legume root nodule;
Farnden K.K.;
Submitted (JUN-1992) to the EMBL/GenBank/DDBJ databases.
                                                                                   EMBL; Z12625; CAA78271.1; -; mRNA.
PIR; S70765; S70765.
SEQUENCE 351 AA; 38282 MW; 41ED5183AAD4051B CRC64;
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25-0CT-2004 (TrEMBLrel. 28, Last sequence update)
25-0CT-2004 (TrEMBLrel. 28, Last annotation update)
Probable pleiotropic regulatory protein.
OrderedLocusNames=DP2191;
                                                                                                                                                                      100.0%; Score 40; DB 2; I
100.0%; Pred. No. 1.6e+02;
ive 0; Mismatches 0;
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01-NOV-1996 (TrEMBLrel. 01,
01-OCT-2003 (TrEMBLrel. 25,
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QGAL55;
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Best Local Similarity luv...
"... 7; Conservative
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NUCLEOTIDE SEQUENCE.
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Eukaryota; Viridiplantae; Streptophyta; Emkryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicoryledons; core eudicots; rosids;
eurosids I; Fabales; Fabaceae; Papilionoideae; Genisteae; Lupinus.
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PubMed=15385458; DOI=10.1128/IAI.72.10.5613-5621.2004;
Golubov A., Neubauer H., Nolting C., Heesemann J., Rakin A.;
Structural Organization of the pFra Virulence-Associated Plasmid of Rhamnose-Positive Yerainia pestis.";
Infect. Immun. 72:5613-5621(2004).
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MEDLINE=95201240; PubMed=7894011;
Macknight R.C., Reynolds P.H., Farnden K.J.;
Malyais of the lupin Nodulin-45 promoter: conserved regulatory sequences are important for promoter activity.";
Plant Mol. Biol. 27:457-466(1995).
                                                                                                                                                                                                                                                                                                                                                                                Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;
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    Indels
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SEQUENCE 331 AA; 37395 MW; 394B3DEE749D260C CRC64;
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                                                                                                                                                                                                                                                                         Last sequence update)
Last annotation update)
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GO; GO:0008409; F:5'-3' exonuclease activity; IBA.
GO; GO:0003677; F:DNA binding; IEA.
GO; GO:001677; F:DNA binding; IEA.
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    Mismatches
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InterPro; IPR00513; Exo N.I.
InterPro; IPR008918; HhM2.
Pfam; PF01367; 5.3 exonuc; 1.
Pfam; PF02739; 5.3 exonuc_N; 1.
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Pfam; PF02739; 5.3 exonuc_N; 1.
SMART; SM00475; 53EXOc; 1.
SMART; SM00279; HhH2; 1.
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Q43494;
                                                                                                                                                                                               QESAKE YERPE PRELIMINARY;
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    7; Conservative
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                                                                                            213 GGIGDGG 219
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Name=nodulin-45;
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les 7; Conserv
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STRAIN-ATCC 15692 / PAO1;

MEDLINE=20437337; PubMed=10984043; DOI=10.1038/35023079;

MEDLINE=20437337; PubMed=10984043; DOI=10.1038/35023079;

Stover C.K., Pham X.-Q.T., Erwin A.L., Mizoguchi S.D., Warrener P., Hickey M.J., Brinkman F.S.L., Hufnagle W.O., Kowalik D.J., Lagrou M., Garber R.L., Goltry L., Tolentino E., Westbrock-Wadman S., Yuan Y., Brody L.L., Coulter S.N., Folger K.R., Kas A., Larbig K., Lim R.M., Smith K.A., Spencer D.H., Wong G.K.-S., Wu Z., Paulsen I.T., Reizer J., Saler M.H. Jr., Hancock R.E.W., Lory S., Olson M.V.; Complete genome sequence of Pseudomonas aeruginosa PAO1, an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STRAIN=MF37; Jacust L., Marvin-Guy L., Orange N., De Jaouen T., Chevalier S., Coquet L., Marvin-Guy L., Orange N., De Phunctional characterization of two outer membrane proteins from Pseudomonas fluorescens:OprEl and OprE3."; Submitted (NOV-2004) to the EMBL/GenBank/DDBJ databases.
                                    Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales;
Pseudomonadaceae; Pseudomonas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Caracterisations structurale et fonctionnelle de proteeines de membrane externe de Pseudomonas psychrotrophes et mesophiles."; submitrad (NOV-2004) to the EMBL/Gensank/DDBJ databases.
EMBL; AJ866544; CAIS8815.1; -; Genomic DNA.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0015288; F:porin activity; IEA.
InterPro; IPR005318; OprD.
Pfam; PF03573; OprD; 1.
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Pseudomonadaceae, Pseudomonas.
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01-FEB-2005 (TrEMBLrel. 29, Last sequence update)
01-FEB-2005 (TrEMBLrel. 29, Last annotation update)
Outer membrane protein, OprB3 precursor (Fragment).
                                                                                                                                                                                                                                                                                                Nature 406:959-964(2000),
EMBL, AE004704; AAG06148.1; -; Genomic_DNA.
PIR, GB3299, GB3299, GB3299,
GO, GO:0016021; C:integral to membrane; IEA.
GO, GO:0015288; F:porin activity; IEA.
GO; GO:0006810; P:transport; IEA.
InterPro; IPR005318; OprD.
Pfam; PF03573; OprD, 1.
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QSQ299;
01-FEB-2005 (TrEMBLrel. 29
01-FEB-2005 (TrEMBLrel. 29
                                                                                                                                                                                                                                                                                      opportunistic pathogen.";
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Matches 7; Conservative
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                                                                                                         NUCLEOTIDE SEQUENCE
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                                                                        NCBI TaxID=287;
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                             Pubmed=15305914; DOI=10.1111/j.1462-2920.2004.00665.x;

Rabus R., Ruepp A., Frickey T., Rattei T., Fartmann B., Stark M.,

Rabus R., Lombardot T., Becker I., Amann J., Gellner K.,

Teeling H., Leuschner W.D., Gloeckner F.-O., Lupas A.N., Amann R.,

Kilnk H.-P.;

"The genome of Desulfotales psychrophila, a sulfate-reducing bacterium

from permanently cold Arcic sediments.";

EMBL; CR522870; CAG36920.1; -; Genomic_DNA.

InterPro; IPR000653; DegT_DnrJ_EryCl.

Pefam, PF01041; DegT_DnrJ_EryCl; 1.
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                                                                                                                                                                                                                                                                                                                      Gaps
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"Molecular cloning and characterization of the oprogene coding for outer membrane protein Opr23 of Pseudomonas aeruginosa.";
Microbiol. Immunol. 43:297-301 (1999).
EMBL; AB006797; BAA2267.1; -; Genomic_DNA.
GO; GO:001621; Gintegral to membrane; IEA.
GO; GO:0015288; F:porin activity; IEA.
GO; GO:0006810; P:transport; IEA.
InterPro; IPR005318; OprD.
Ffam; PF03573; Opr5; 1.
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Pseudomonadaceae; Pseudomonas.
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091083 PSEAE
1D 091083 PSEAE PRELIMINARY; PRT; 425 AA.
1D 091083 PSEAE PRELIMINARY; PRT; 425 AA.
1D 01083;
DT 01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
DT 01-MAR-2003 (TrEMBLrel. 24, Last sequence update)
DT 01-CUN-2003 (TrEMBLrel. 24, Last annotation update)
DF Probable outer membrane protein.
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Last annotation update)
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MEDLINE=99268523; PubMed=10338201;
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                  DSM 12343;
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Matches 7; Conservative
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GGIGDGG 311
NUCLEOTIDE SEQUENCE.
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                                                                                                                                                                                                                                                DDTTDDDTTDDDTTDDDTTDDDTTDDDTTDDDTTDDDTTDDDTTDDDTTDDDTTDDDTTDDDTTDDDTTDDDTTDDDTTDDDTTD
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MEDLINE=9609823; PubMed=8538681; DOI=10.1016/0166-6851(95)00059-A;
Gamarro F., Yu P.L., Zhao J., Edman U., Greene P.J., Santi D.;
"Trypanosoma brucei dihydroffolate reductase-thymidylate synthase: gene
isolation and expression and characterization of the enzyme.";
Mol. Biochem. Parasitol. 72:11-22(1995).
-! CATALYTIC ACTIVITY: 5,10-methylenetetrahydrofolate + dUMP =
dihydrofolate + dTMP.
-! CATALYTIC ACTIVITY: 5,6,7,8-tetrahydrofolate + NADP(+) = 7,8-
dihydrofolate + NADPH.
                                                                                                                                                                                                                                                                                                 01-NOV-1997 (Rel. 35, Created)
01-NOV-1997 (Rel. 35, Last sequence update)
13-SEP-2005 (Rel. 48, Last annotation update)
Bifunctional dihydrofolate reductase-thymidylate synthase (DHFR-TS)
[Includes: Dihydrofolate reductase (EC 1.5.1.3); Thymidylate synthase (EC 2.1.1.45)].
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        dihydrofolate reductase family.
                                                                                                                                                                                                                                                                                                                                                                                                                Trypanosoma brucei brucei.
Eukaryota, Euglenozoa, Kinetoplastida, Trypanosomatidae, Trypanosoma.
                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       -!- PATHWAY: Deoxyribonucleotide biosynthesis.
-!- PATHWAY: Cofactor biosynthesis; tetrahydrofolate biosynthesis;
tetrahydrofolate from 2-amino-4-hydroxy-6-hydroxymethyl-7,8-
dihydropteridine diphosphate and 4-aminobenzoate: step 3 [final
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Methyltransferase; Multifunctīonal enzyme; NADP;
Nucleotide biosynthesis; One-carbon metabolism; Oxidoreductase;
                                                                                             0;
                                                         Length 426;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SUBUNIT: Homodimer (By similarity). SIMILARITY: In the N-terminal section; belongs to the
                    46224 MW; 2F2F4E683E963B87 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Dihydrofolate reductase.
Thymidylate synthase.
By similarity.
                                                       100.0%; Score 40; DB 2; I
100.0%; Pred. No. 1.9e+02;
iive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           InterPro; IRR001796; DHRR req.
InterPro; IPR001398; Thymidylat_synth.
Pfam; PF00186; DHRR 1; 1.
Pfam; PF00186; DHRR 1; 1.
PIRSF; PIRSP00103; Thymidylat_synt; 1.
PRINTS; PR001003; Thymidylat_synt; 1.
PRINTS; PR00108; THYMDSNTHASE.
PRODOM; PD001180; THYMDSNTHASE.
PROSITE; PS000175; DHRR; 1.
PROSITE; PS00019; THYMIDYLATE SYNTHASE; 1.
                                                                                                                                                                                                                                                                 527 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           EMBL; U20781; AAA91362.1; -; Genomic_DNA
                                                                                                                                                                                                                                                             PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              InterPro; IPR012262; DHFR-TS.
                                                                            Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                                                                                                                 STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         242
527
409
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                                                                                                                                                              317 GGIGDGG 323
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUCLEOTIDE SEQUENCE.
                      426 AA;
                                                                                                                                 1 GGIGDGG 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                    NCBI_TaxID=5702;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ransferase.
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REGION
ACT_SITE
                      SEQUENCE
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       NON TER
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Mammalia, Eutheria, Buarchontoglires, Glires, Rodentia, Sciurognathi,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STRAIN=GUTatl0.1;
Ghedin E., Blandin G., Bartholomeu D., Caler E., Haas B., Hannick L.,
Ghedin E., Blandin G., Blatch A., Feldblyum T., Hostetler J.,
Johnson J., Jones K., Koo H.L., Larkin C., Pai G., Peterson J.,
Khalak H.G., Salzberg S., Simpson A.J., Tallon L., Van Aken S.,
Walless D., White O., Wortman J., Fraser C.M., El-Sayed N.M.A.;
Submitted (MAY-2001) to the EMBL/GenBank/DDBJ databases.
                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Eukaryota; Euglenozoa; Kinetoplastida; Trypanosomatidae; Trypanosoma
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        QBKLNG; QBENQ5; QBEDG4; QBCGD0; QBKLA1;
10-MAY-2005 (Rel. 47, Created)
110-MAY-2005 (Rel. 47, Last sequence update)
13-SEP-2005 (Rel. 48, Last annotation update)
Dynamin 1-like protein (EC 3.6.5.5) (Dynamin-related protein 1)
(Dynamin family member proline-rich carboxyl-terminal domain less)
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                                                        Length 527;
                                                                                                                                                                                                                                                                                                                                                                                                                    10-MAY 2005 (TrEMBLrel. 30, Created)
10-MAY-2005 (TrEMBLrel. 30, Last sequence update)
10-MAY-2005 (TrEMBLrel. 30, Last annotation update)
Dihydrofolate reductase-thymidylate synthase (EC 1.5.1.3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          El-Sayed N.M., Khalak H., Adams M.D.;
Submitted (MAY-2001) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STRAIN=GUTat10.1;
Haas B., Blandin G., Bl-Sayed N.;
Submitted (PRR-2005) to the EMBL/GenBank/DDBJ databases.
EMBL; AC091553; AAX78868.1; -; Genomic_DNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       527 AA; 58850 MW; 1917FE451F6A9EDA CRC64;
58805 MW; 39982FC553BF7601 CRC64;
                                                        100.0%; Score 40; DB 1; I 100.0%; Pred. No. 2.4e+02;
                                                                                                                                                                                                                                                                                                                                                                527 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Pred. w..
                                                                                                              0; Mismatches
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NUCLEOTIDE SEQUENCE [MRNA] (ISOFORM 2).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRT:
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NCBI_TaxiD=10090;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Name=Dnm11; Synonyms=Drp1;
                                                                                                                                                                                                                                                                                                                                                                   Q582G3_9TRYP PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                 Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORFNames=Tb927.7.5480;
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                                                                                  Sest Local Similarity
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PubMed=9422767; DOI=10.1074/jbc.273.2.1044;
      RUCLECTIONE SEQUENCE [LARGE SCALE MRNA] (150FORM 3).

RUCLECTIONE SEQUENCE [LARGE SCALE MRNA] (150FORM 3).

STRAINE-257BL/6J; TISSUE-Adipose tissue, and Spinal ganglion;

RA WICLECTIONE SCORE Adipose tissue, and Spinal ganglion;

RA MEDLINE-2254683; PubMed-12466851; DOI=10.1038/nature01266;

RA MEDLINE-2254683; PubMed-12466851; DOI=10.1038/nature01266;

RA MIKAID I., Gasto N., Saito R., Buzuki H., Yamanaka I., Kiyosawa H.,

RA Baldarelli R., Hill D.P., Bult C., Hume D.A., Quackenbush J.,

RA Schriml L.M., Kanapin A., Matsuda H., Batalov S., Beisel K W.,

RA Baldarelli R., Hill D.P., Bult C., Hume D.A., Quackenbush J.,

RA Gasterland T., Gariboldi M., Gissi C., Corbani L.E., Cousins S.,

RA Gasterland T., Gariboldi M., Gissi C., Godzik A., Gough J.,

RA Gasterland T., Gariboldi M., Gissi C., Godzik A., Gough J.,

RA Gasterland T., Matsudawa Y., Redzierski R.M., King B.L.,

RA Kanal A., Kawaslawa Y., Hirokawa N., Jackson I J., Jarvis E.D.,

RA Kanal A., Maltais L., Marchiomi L., McKenzie L., Miki H.,

Maglott D.R., Maltais L., Marchiomi L., McKenzie L., Miki H.,

Naglott D.R., Maltais L., Marchiomi L., McKenzie L., Miki H.,

RA Petroveky N., Pillai R., Ponido T., Pavan W.J., Pertea G., Pesole G.,

RA Bavasi T., Reed D.J., Red J., Ramachandran S.,

Sandelin A., Schneider C., Semple C.A., Setou M., Shimada K.,

RA Mining L.G., Mynshaw-Boris A., Yanagisawa M., Satawa I.,

RA Hirozane Kishikawa T., Konno H., Nakamura M., Sakazume N., Satawa I.,

RA Hirozane Kishikawa T., Konno H., Nakamura M., Sakazume N., Satawa I.,

RA Hirozane Kishikawa T., Sanaki D., Shinagawa A.,

RA Hirozane Kishikawa T., Sanaki D., Shinagawa A.,

RA Hirozane Kishikawa T., Sasaki D., Shinagawa A.,

RA Hirozane Kishikawa T., Sasaki D., Shinagawa A.,

Rasunishi A., Yoshino M., Waterston R., Lander E.S., Rogers J.,

RH Mayazaki A., Sasaki K., Sasaki D., Shinagawa A.,

RH Mayazaki A., Sasaki Y., Sasaki D., Shinagawa A.,

RH Manayasis of the mouse transcriptome based on functional annotation of RC. Toll-199710 M. Shinayana M. Shiray R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUCLECTIDE SEQUENCE [LARGE SCALE MRNA] (ISOFORMS 3 AND 4).

NUCLECTIDE SEQUENCE [LARGE SCALE MRNA] (ISOFORMS 3 AND 4).

STRAIN-C57BL/6; TISSUE-Brain, Mammary gland, and Thymus;

MEDINE-25388257; PubMed=12477932; DOE=10.1073/pnss.242603899;

A Straubberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,

A Alschul S.F., Zeeberg B. B., Buetow K.H., Schaefer C.F., Bhar N.K.,

A Alschul S.F., Zeeberg B. B., Buetow K.H., Schaefer C.F., Bhar N.K.,

A Distchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

A Distchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

A Distchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,

Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Millahy S.J.,

Rosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,

Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.M.,

Villalon D.K., Murny D.M., Sodergren B.J., Lu X., Gibbs R.A.,

Richards M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,

Mitting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,

Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,

Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,

Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,

Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,

Butterfield Y.S.N., Mary D.M., Marra M.A.,

Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,

Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,

Butterfield Y.S.N., Mary D.M., Marra M.A.,

Butterfield Y.S.N., Mary D.M., Marra M.A.,

Butterfield Y.S.N., Mary D.M., Mary M.A.,

Butterfield Y.S.N., Mary D.M., Mary M.A.,

Butterfield Y.S.N., Mary D.M.,

Butterfield Y.S.N., Mary D.M.,

Butterfield Y.S.N., Mary D.M.,

Butterfield Y.S.N., Mary M.A.,

Butterfield Y.S.N.,

Butterfield Y.S.N.,

Butterfield Y.S.N.,

Butterfield Y.S.N.,

Butterfiel
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Piao Y., Ko N.T., Lim M.K., Ko M.S.H.;
"Construction of long-transcript enriched cDNA libraries from
submicrogram amounts of total RNAs by a universal PCR amplification
                                                                  "Stage-specific enhanced expression of mitochondrial fusion and fission factors during spermatogenesis in rat testis."; Biochem. Biophys. Res. Commun. 311:424-432(2003).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUCLECTIDE SEQUENCE [LARGE SCALE MRNA] OF 448-659 (ISOFORM 1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
TISSUE=Osteoclast,
PubMed=14592431; DOI=10.1016/j.bbrc.2003.10.008;
Honda S., Hirose S.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Genome Res. 11:1553-1558(2001).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              mouse cDNA sequences.";
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TISSUE SPECIFICITY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           method.
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Kamimoto 11, Nagai Y., Onogi H., Muro Y., Wakabayashi T., Hagiwara M.;

Kamimoto 12, Nagai Y., Onogi H., Muro Y., Wakabayashi T., Hagiwara M.;

T proble- in novel dynamin-like high molecular weight GTPase lacking a

T proline-rich carboxyl-terminal domain in mammalian cells.",

J. Biol. Chem. 273:1044-1051(198).

-I- FUNCTION: Functions in mitochondrial and peroxisomal division

probably by regulating membrane fission. Enzyme hydrolyzing GTP

that oligomerizes to form ring-like structures and is able to

remodel membranes. May also play a role on organelles of the

secretory pathway (By similarity).

-I- CATALYIT: Homotetramer; N-terminal part binds to the C-terminal

part of another DNM1. Can self-assemble in multimeric ring-like

structures. Interacts with GSK3B and TTC11 (By similarity).

-I- SUBUNIT: Homotetramer; N-terminal part binds to the C-terminal

part of another DNM1. Can self-assemble in multimeric ring-like

structures. Interacts with GSK3B and TTC11 (By similarity).

-I- SUBCELLUIAR LOCATION: Cytoplasmic, mainly cytosolic. Also

membrane-associated. Localizes to mitochondria at spots of

division events. Associated with peroxisomal-membranes it is

recruited in part by PEXIIB. May also be associated with

cendoplasmic reticulum tubules and cytoplasmic vesicles and found
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     This Swiss-Prot entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use as long as its content is in no way modified and this statement is not
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TISSUE SPECIFICITY: Expressed in the cereballum and in several regions of the cereballum and in several regions of the cereballum and disnessed in the cereballum and in several the cereballar burkinje calls and in the pointile giant neurons. PTM: Phosphorylated by GSK3B (By similarity).

SIMILARITY: Belongs to the dynamin family.

SIMILARITY: Contains 1 GED domain.

CAUTION: This is a conceptual translation (isoform 1).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     IsoId=Q8K1M6-4; Sequence=VSP_013689, VSP_013691, VSP_013695;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GTP (By similarity).
GTP (By similarity).
GTP (By similarity).
N-terminal dimerization domain (By
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Alternative splicing; GTP-binding; Hydrolase; Membrane;
Nucleotide-binding; Phosphorylation.
DOMAIN 645 736
GED.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               IsoId=Q8K1M6-3; Sequence=VSP_013690, VSP_013694;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  IsoId=Q8K1M6-1; Sequence=Displayed;
Note=No experimental confirmation available;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Event=Alternative splicing; Named isoforms=5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    EMBL; AB079133; BAC06576.1; -; mRNA.
EMBL; AK061443; BAC34640.1; -; mRNA.
EMBL; AK060871; BAC34640.1; -; mRNA.
EMBL; BC027538; AAH27538.1; -; mRNA.
EMBL; BC040777; AAH40777.1; -; mRNA.
EMBL; EC794635; AAH79635.1; -; mRNA.
EMBL; CF914619; -; NOT ANNOTATED CDS; mRNA.
EMBL; CF914619; -; NOT ANNOTATED CDS; mRNA.
EMBL; CF914619; -; NOT ANNOTATED CDS; mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    IsoId=Q8K1M6-2; Sequence=VSP_013695;
Name=3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 to be perinuclear (By similarity). ALTERNATIVE PRODUCTS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ensembl; ENSMUSG00000022789; Mus_musc
MG1; MG1:1921256; Dnmll.
Interpro; IPR001401; Dynamin.
Interpro; IPR000375; Dynamin_central.
Interpro; IPR0003130; GED.
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Pfam; PF020150; Dynamin_N; 1.
Pfam; PF02212; GED; 1.
PRINTS; PR00195; DYNAMIN.
SMART; SM0063; DYNC; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   39
156
224
349
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32
152
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221
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Name=1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Name=2;
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Name=2;
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EMBL;
EMBL;
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ISSUE-Brain, and Liver;
PubMed-9472031; DOI=10.1083/jcb.140.4.779;
Yoon Y., Pitts K.R., Dahan S., McNiven M.A.;
"A novel dynamin-like protein associates with cytoplasmic vesicles and tubules of the endoplasmic reticulum in mammalian cells.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Eutheria; Buarchontoglires; Glires; Rodentia; Sciurognathi;
Muroidea; Muridae; Murinae; Rattus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDLINE=20145530; PubMed=10679301; DOI=10.1006/bbrc.2000.2197; Chen C.-H., Hwang S.-L., Howng S.-L., Chou C.-K., Hong Y.-R.; "Three rat brain alternative splicing dynamin-like protein variants: interaction with the glycogen synthase kinase 3beta and action as a
                                                                                                                                                                                                  /FTIG=VSP_013692.
Missing (in isoform 5).
FTIG=VSP 013693.
Missing (in isoform 3).
FTIG=VSP 013694.
Missing (in isoform 2 and isoform 4).
FTIG=VSP 013695.
P -> L (in Ref. 1).
C -> R (in Ref. 1).
E -> A (in Ref. 2).
E -> A (in Ref. 2).
Which is the control of th
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     Interaction with GSK3B (By similarity). C-terminal dimerization domain (By similarity).
                                                               Missing (in isoform 4).
/FIId=VSP 013689.
Missing (in isoform 3 and isoform 5)
/FIId=VSP 013690.
/FIId=VSP_013691.
                                                                                                                                                                    (in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DNN1L RAT STANDARD; PRT; 755 AA.

035303; 035318; 035319; 035320; 035322; 035323; Q5U2W1;

079217; Q9R2317; Q9R231;

10-MAY-2005 (Rel. 47, Last sequence update)

13-SEP-2005 (Rel. 48, Last annotation update)

Dynamin 1-like protein (EC 3.6.5.5) (Dynamin-like protein).

Name=Dnm1l; Synonyme=Dlp1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                  RRTLAVITKLDLMD -> KGRCLYLMDVDLQW
                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 40; DB 1; Length 742; 100.0%; Pred. No. 3.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NIH - Mammalian Gene Collection (MGC) project;
Submitted (MAR-1999) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUCLEOTIDE SEQUENCE [MRNA] (ISOFORMS 1; 3 AND 5), TIE INTERACTION WITH GSK3B, AND PHOSPHORYLATION BY GSK3B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUCLEOTIDE SEQUENCE [LARGE SCALE MRNA] (ISOFORM 2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Biochem. Biophys. Res. Commun. 268:893-898(2000)
                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Mismatches
                                                                                                                                                                                        isoform 5)
                                                                                                                                                                                                                                                                                                                                                                            82658 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity 100.
Matches 7; Conservative
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                                                                                                                                                                                                                                                                                                                                                                            742 AA;
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                 454
548
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320
519
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DNM1L RAT
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CONFLICT
CONFLICT
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DNM1L RAT
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This Swiss-Prot entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation - the European Bioinformatics Institute. There are no restrictions on its use as long as its content is in no way modified and this statement is not
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CATALYTIC ACTIVITY: GTP + H(2)O = GDP + phosphate.
CATALYTIC ACTIVITY: GTP + H(2)O = GDP + phosphate.

SUBUNIT: Homocternamer; N-terminal part binds to the C-terminal part of another DNMIL.
Can self-assemble in multimeric ring-like structures. Interacts with GSX3B and TTC11.
SUBCELLUIAR LOCATION: Cytoplasmic; mainly cytosolic. Also membrane-associated. Localizes to mitochondria at spots of division events. Associated with peroxisomal-membranes it is recruited in part by PEX11B. May also be associated with endoplasmic reticulum tubules and cytoplasmic vesicles and found to be perinuclear (By similarity).
ALTERNATIVE PRODUCTS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                   J. Biol. Chem. 278:8597-8605(2003).

[6]

PEUCTION, AND INTERACTION WITH TTC11.

MEDLINE=22745481; PubMed=12861026;

DOI=10.1128/MCB.23.15.5409-5420.2003;

Youn Y., Krueger E.W., Oswald B.J., McNiven M.A.;

"The mitochondrial protein hFist regulates mitochondrial fission in mammalian cells through an interaction with the dynamin-like protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Note-No experimental confirmation available; TISSUE SPECIFICITY: Expressed in all tissues tested (at protein level). Longer isoforms are preferentially expressed in brain. INDUCTION: By bezafibrate. PTM: Phosphorylated by GSK3B. SIMILARITY: Belongs to the dynamin family. SIMILARITY: Contains 1 GED domain.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mod. Cell. Biol. 23:5409-5420(2003).
-!- FUNCTION: Functions in mitochondrial and peroxisomal division probably by regulating membrane fission. Enzyme hydrolyzing GTP that oligomerizes to form ring-like structures and is able to remodel membranes. May also play a role on organelles of the
                                                                                                                                                                                                                      [5] SUBCELLULAR LOCATION, INDUCTION BY BEZAFIBRATE, AND FUNCTION. MEDLINE=22499627; PubMed=12499366; DOI=10.1074/jbc.M211761200; Koch A., Thiemann M., Grabenbauer M., Yoon Y., McNiven M.A., Schrader M.;
                                                                                                                                                                                                                                                                                                                                                                                                         Dynamin-like protein 1 is involved in peroxisomal fission.";
J. Biol. Chem. 278:8597-8605(2003).
                                                                                             Yoon Y., Pitts K.R., McNiven M.A.; "Mammalian dynamin-like protein DLP1 tubulates membranes."; Mol. Biol. Cell 12:2894-2905(2001).
[4]
MUTAGENESIS OF LYS-38 AND ASP-231, AND OLIGOMERIZATION.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     IsoId=035303-2; Sequence=VSP_013697, VSP_013701;
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IsoId=035303-3; Sequence=VSP_013698, VSP_013699;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        confirmation available;
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mRNA.
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                                                                         MEDLINE=21437878; PubMed=11553726;
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Name=5; Synonyms=DLP1-11;
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AF020211; AAB71236.1;
AF020212; AAB71237.1;
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AAB71234.1
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EMBL; AF020209;
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MEDLINE-92017855; PubMed-1840634;
Yuan G.-F., Fu Y.-H., Marzluf G.A.;
"hit-4, a pathway-specific regulatory gene of Neurospora crassa,
encodes a protein with a putative binuclear zinc DNA-binding domain.";
Mol. Cell. Biol. 11:5735-5745(1991).
                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                      STRAIN=2CP-C;
US DOE Joint Genome Institute (JGI-PGF);
US DOE Joint Genome Institute (JGI-PGF);
Hammon N., Israni S., Pitluck S., Richardson P.;
"Sequencing of the draft genome assembly of Anaeromyxobacter dehalogenans 2CP-C.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WUCLEOTIDE SEQUENCE [LARGE SCALE GENOMIC DNA].
STRAIN=74-CR23-LA / FGSC 987;
MEDLINE=22598136; PubMed=12713197; DOI=10.1038/nature01554;
MEDLINE=22598136; PubMed=12713197; DOI=10.1038/nature01554;
Galagan J. E., Calvo S.E., Borkovich K.A., Selker E.U., Read N.D., Jaffe D., FitzHugh W., Ma L.-J., Smirnov S., Purcell S., Rehman B., Elkins T., Engels R., Wang S., Nielsen C.B., Buller J., Endrizzi M., Werner-Washburne M., Selltrennikoff C.P., Kinsey J.A., Braun E.L., Zelter A., Schulte U., Kothe G.O., Jedd G., Mewes H.-W., Staben C., Marcotte E., Greenberg D., Roy A., Foley K., Naylor J., Stange-Thomann N., Barrett R., Ginerre S., Kamal M., Kamvysselis M., Mauceli E., Bielke C., Rudd S., Frishman D., Krystofova S.,
                                                                                                                                                                                                                                                     Submitted (JUN-2005) to the EMBL/GenBank/DDBJ databases.
-!- CAUTION: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is
                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Yuan G.-F., Marzluf G.A.;
"Molecular characterization of mutations of nit-4, the pathway-
specific regulatory gene which controls nitrate assimilation in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Neurospora crassa.
Eukaryota; Fungi; Ascomycota; Pezizomycotina; Sordariomycetes;
Sordariomycetidae; Sordariales; Sordariaceae; Neurospora.
                                                                                                                                                                      STRAIN=2CP-C;
US DOE Joint Genome Institute (JGI-ORNL);
Larimer F., Land M.;
"Annotation of the draft genome assembly of Anaeromyxobacter
                                                                                                                                                                                                                                                                                                                                                                                             Length 984;
                                                                                                                                                                                                                                                                                                                                                                                                                            0; Indels
                                                                                                                                                                                                                                                                                                                                                           SEQUENCE 984 AA; 105504 MW; 048AD4B22E6C994A CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     N113_NEVCA, OTRV09;
01-DEC-1992 (Rel. 24, Created)
01-DEC-1992 (Rel. 24, Last sequence update)
13-SEP-2005 (Rel. 48, Last annotation update)
Nitrogen assimilation transcription factor nit-4.
                                                                                                                                                                                                                                                                                                                                                                                          100.0%; Score 40; DB 2; L 100.0%; Pred. No. 4.4e+02;
                                                                                                                                                                                                                                                                                                                         EMBL; AAHD01000016; EAL79048.1; -; Genomic_DNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRT; 1090 AA
                                                                                                                                                                                                                                                                                                                                                                                                                            0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUCLEOTIDE SEQUENCE [GENOMIC DNA].
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MEDLINE=92149315; PubMed=1531376;

    Microbiol. 6:67-73(1992).

                                                                                                                                                                                                                                                                                                                                                                                        Query Match 100.
Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STANDARD;
                                                                                                                                                                                                                                         dehalogenans 2CP-C.";
                                                                                                                                                                                                                                                                                                           preliminary data.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            229 GGIGDGG 235
          NUCLEOTIDE SEQUENCE.
                                                                                                                                                       NUCLEOTIDE SEQUENCE.
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NIT4_NEUCR
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        DPATWKNSRHLSKG -> GKFQSWR (in isoform 4).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                    Interaction with GSK3B (By similarity). C-terminal dimerization domain (By
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /FTId=VSP_013702.
K->A: Defective in GTP hydrolysis.
Tubulates spherical liposomes. Impairs
mitochondrial division.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GGGIGDGGRI -> VASGGGGV (in isoform 3)
/FTId=VSP 013699.
                                                                                                                                                                                                                                                                                                                                                    GTP (By similarity).
N-terminal dimerization domain (By
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                              PRINTS; PRO0195; DEVAMIN.
SWART; SM00053; DYNAMIN.
SWART; SM00052; GED; 1.
PROSITE; PS00410; DYNAMIN; 1.
Alternative splicing; Direct protein sequencing; GTP-binding; Hydrolase; Membrane; Nucleotide-binding; Phosphorylation.
DOMAIN 658 749
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  D->N: Defective in GTP-binding.
A -> V (in Ref. 1; AAB71237).
G -> V (in Ref. 2).
G 0568353907794C43 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 40; DB 1; Length 755; 100.0%; Pred. No. 3.46+02; Live 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         -> GKFQSWN (in isoform 3).
FTId=VSP_013698.
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Missing (In isoform 2).
/FTId=VSP 013697.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /FTId=VSP_013700.
Missing (In isoform 2).
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P 013700.
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Last annotation update)
EMBL; AF020213; AAB71238.1; -; mRNA.
EMBL; AF107048; AAD22412.1; -; mRNA.
EMBL; AF132727; AAD22412.1; -; mRNA.
EMBL; BCO85643; AAH85643.1; -; mRNA.
ENSEMD1; ENSRNOG000001813; Rattus norvegicus.
RGD; 620416; Dumll.
InterPro; IPR001401; Dynamin.
InterPro; IPR001375; Dynamin.
InterPro; IPR001310; GED.
InterPro; IPR001310; GED.
Pfam; PF00350; Dynamin.M; 1.
Pfam; PF00350; Dynamin.M; 1.
Pfam; PF003512; GED: 1.
                                                                                                                                                                                                                                                                                                                                      (By similarity)
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Q4NTR7;
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Rasmussen C., Metzenberg R.L., Perkins D.D., Kroken S., Cogoni C., Macino G., Catcheside D.E.A., Li W., Pratt R.J., Osmani S.A., DeSouza C.P.C., Glass N.L., Orbach M.J., Berglund J.A., Voelker R., Yarden O., Plamann M., Seiler S., Dunlap J.C., Radford A., Aramayo R., Natvig D.O., Alex L.A., Mannhaupt G., Ebbole D.J., Freitag M., Paulsen I., Sachs M.S., Lander E.S., Nusbaum C., Birren B.W.; "The genome sequence of the filamentous fungus Neurospora crassa."; Nature 422,859-868 (2003).
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EMBL; AABX010002c.

PIR; A41696; A41696.

( HSSP; P07272; 1PYI.

M TRANSFAC; T02945; -

DR InterPro; IPR001139; Fungal trans.

DR Pfan; PF04081; Fungal trans.

DR Pfan; PF04081; Zn clus; 1.

DR SWART; SW00066; GĀL4; 1.

DR SWART; SW0066; GĀL4; 1.

DR PROSITE; PSS0048; ZNZ CYG FVUGAL 1; 1.

DR PROSITE; PSS0048; ZNZ CYG FVUGAL 2; 1.

KW Activator; DNA-binding; Metal-binding; Nitrate assimilation; KW Activator; DNA-binding; Metal-binding; Nitrate assimilation; Xm Nuclear protein; Transcription;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                  gene expression.
-!- SIMILARITY: Contains 1 Zn(2)-C6 fungal-type DNA-binding domain.
                                                                                                                                                                                                                                                                                          nitrate and nitrite reductases.
-!- SUBCELLULAR LOCATION: Nuclear.
-!- DOMAIN: The glutamine-rich domain might function in activating
                                                                                                                                                                                                                                  -i. FUNCTION: Pathway specific regulatory gene of nitrate assimilation; it activates the transcription of the genes for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Hypothetical protein.
ORFNames=2019.8566, Ca019.951;
Candida albicans SC531.
Eukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes; Saccharomycetales; Candida.
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Pred. No. 4.9e+02;
); Mismatches 0; Indels (
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Q5A4Z5;
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Muccli E., Bouneau L., Fischer C., Ozouf-Costaz C., Bernot A.,
Maucali E., Bouneau L., Fischer C., Ozouf-Costaz C., Bernot A.,
Micaud S., Jaffe D., Fisher S., Lutfalla G., Dossat C., Segurens B.,
Dasilva C., Salanoubat M., Levy M., Boudet N., Castellano S.,
Anthouard V., Jubin C., Castelli V., Katinka M., Vacherie B.,
Biemont C., Skalli Z., Cattolico L., Poulain J., De Berardinis V.,
M. Farra G., Lardier S., Brottier P., Coutanceau J.P., Gouzy J.,
Rellis M., Volff JN., Guigo R., Zody M.C., Mesirov J.,
Lindblad-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,
Lindblad-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,
Landet V., Lander E.S., Weissenbach J., Roest Crollius H.;
"Genome duplication in the teleost fish Tetraodon nigroviridis reveals
"The early vertebrate proto-karyotype.";
"Matrice A., 1000 N., Matrice M., Matrice A., 1000 N.,
"Matrice A., 1000 N., Messenbach J., Roest Crollius H.,
"Genome duplication in the teleost fish Tetraodon nigroviridis reveals
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi;
Actinopterygli, Neopterygli, Teleostei, Euteleostei, Neoteleostei,
Acanthomorpha, Acanthopterygli, Percomorpha, Tetraodontiformes;
Tetraodontoidea, Tetraodontidae, Tetraodon.
PubMed=15123810; DOI=10.1073/pnas.0401648101;
Jones T., Federspiel N.A., Chibana H., Dungan J., Kalman S.,
Jagee B.B., Newport G., Thorstenson Y.R., Agabian N., Magee P.T.,
Davis R.W., Scherer S.;
"The diploid genome sequence of Candida albicans.";
Proc. Natl. Acad. Sci. U.S.A. 101:7329-7334 (2004).
                                                                                                                                                                                                                                                                                                                                       Dungan J., Kuo A., Newport G., Lan C.-Y., Iijima C., Adegbola O., Roberts J., Persson K., Donnelly S., Favoreto S., Tzung K.-W., Onnes T., Scherer S., Agabian N.; albicans.", "Amnotation of the Genome of Candida albicans."; submitted (APR-2004) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Chromosome undetermined SCAF2245, whole genome shotgun sequence.
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Genoscope; Whitehead Institute Centre for Genome Research; Submitted (FEB-2004) to the EMBL/GenBank/DDBJ databases.
-!- CAUTION: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            97.5%; Score 39; DB 2; Length 261;
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SEQUENCE 162 AA; 18284 MW; 54554BB08920F2E7 CRC64;
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13-SEP-2005 (TrEMBLrel. 31, Created)
13-SEP-2005 (TrEMBLrel. 31, Last sequence update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 39; DB 2; I Pred. No. 1.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          EMBL; AACQ01000063; EAK97803.1; -; Genomic_DNA.
EMBL; AACQ01000062; EAK97864.1; -; Genomic_DNA.
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STRAIN=SC5314;
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Best Local Similarity
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Oryza sativa (indica cultivar-group).

Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Ehrhartoideae; Oryzeae; Oryza.
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Zhang Z.-L., Xie Z., Zou X., Casaretto J., Ho T.-h.D., Shen Q.J.;
Submitted (JAN-2004) to the EMBL/GenBank/DDBJ databases.

-!-MISCELLANEOUS: The sequence shown here is derived from an EMBL; BROOOSOSO; DAAOS112.1; -; Genomic_DNA.

Gramene; Goilly; -. Genomic_DNA.

GO; GO:0003677; F:DNA binding; IEA.

InterPro.; DROOSSST; WRKY.

PROSITE; PSSO811; WRKY: 1.
                                                                                                                                                                                                                                                                 97.5%; Score 39; DB 2; Length 333;
85.7%; Pred. No. 2.2e+02;
tive 1; Mismatches 0; Indels
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85.7%; Pred. No. 2.2e+02;
iive 1; Mismatches 0; Indels
NUCLECTIDE SEQUENCE.
Sasaki T., Matsumoto T., Katayose Y.;
Sasaki T., Matsumoto T., Katayose Y.;
Supara sativa nipponbare(GA3) genomic DNA, chromosome 7, clone:OJ1205 F02.",
Submitted (MĀY-2002) to the EMBL/GenBank/DDBJ databases.
EMBL; AP005099; BAC80002.1; -; Genomic_DNA.
EMBL; AP005243; BAD31219.1; -; Genomic_DNA.
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PubMed=15047897; DOI=10.1104/pp.103.034967;
PubMed=25047897; DOI=10.1104/pp.103.034967;
Zhang Z.L., Xie Z., Zou X., Casaretto J., Ho T.H., Shen Q "A rice WKKY gene encodes a transcriptional repressor of gibberellin signaling pathway in aleurone cells.";
Plant Physiol. 134:1500-1513(2004).
                                                                                                                                                                                  Pfam; PF03106; WRKY; 1.
PROSITE; PS50811; WRKY; 1.
Hypochetical protein.
SEQUENCE 333 AA; 34837 MW; 7B7ADEE11F72B541 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                334 AA; 34963 MW; A9325AACFCD93F7C CRC64;
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05-JUL.2004 (TrEMBLrel. 27, Last sequence update)
05-JUL.2004 (TrEMBLrel. 27, Last annotation update)
WRKY transcription factor 47.
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InterPro; IPR003657; WRKY.
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QGIEN4 ORYSA PRELIMINARY;
QGIEN4;
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Qbbr66 psepk preliminary;
Qbbr66;
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Q6IEN4_ORY
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STRAIN-Bath / NCIMB 11132;
PubMed=15383840; DOI=10.1371/journal.pbio.0020303;
PubMed=15383840; DOI=10.1371/journal.pbio.0020303;
Ward N.L., Larsen O., Sakwa J., Bruseth L., Khouri H.M., Durkin A.S., Dimitrov G., Jiang L., Scanlan D., Kang K.H., Lewis M.R., Nelson K.E., Methe B.A., Wu M., Heidelberg J.F., Paulsen I.T., Fouts D.E., Methe B.A., Wu M., Heidelberg J.F., Paulsen I.T., Seshadri R., Salzberg S.L., Jensen H.B., Birkeland N.K., Nelson W.C., Dodson R.J., Grindhaug S.H., Holt I.E., Eidhammer I., Jonasen I., Vanaken S., Utterback T.R., Feldblyum T.V., Fraser C.M., Lillehaug J.R.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Genomic insights into methanotrophy: the complete genome sequence of
                      Gaps
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01-0CT-2003 (TrEMBLrel. 25, Last sequence update)
01-0CT-2003 (TrEMBLrel. 25, Last sequence update)
01-0CT-2005 (TrEMBLrel. 29, Last annotation update)
Hypothetical protein OSJNBa0008J01.9 (Hypothetical protein
OJ1205_F02.22).
Name=OSJNBa0008J01.9; Synonyms=OJ1205_F02.22;
Oryza sativa (japonica cultivar-group).
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
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Bacteria; Proteobacteria; Gammaproteobacteria; Methylococcales;
Methylococcaceae; Methylococcus.
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"Orya sativa nipponbare(GA3) genomic DNA, chromosome 7, BAC clone:OSJNBa0008010.";
Submitted (APR-2002) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 294;
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85.7%; Pred. No. 1.9e+02;
Lienarches 0; Indels
                    Indels
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Pfam; PF02415; Chlam PMP; 5.
Complete proteome; Hypothetical protein.
SEQUENCE 294 AA; 29181 MW; 4FAA76CEF60478C8 CRC64;
                                                                                                                                                                                                                 Last sequence update)
Last annotation update)
 Pred. No. 1.7e+02;
1; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Methylococcus capsulatus (Bath).";
PLoS Biol. 2:1616-1628(2004).
EMBL; AE017282; AAU92964.1; -; Genomic_DNA.
TIGR; MCA0765; -.
                                                                                                                                                                                              25-OCT-2004 (TrEMBLrel. 28, Created) 25-OCT-2004 (TrEMBLrel. 28, Last seq 25-OCT-2004 (TrEMBLrel. 28, Last ann Hypothetical protein.
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   85.78;
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Q60AS9;
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Q7XHXS ORYSA PRELIMINARY;
                    6; Conservative
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                                                                                86 GGVGDGG 92
 Best Local Similarity
Matches 6; Conserv
                                                 1 GGIGDGG 7
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Q60AS9_MET
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InterPro; IPR002957; Keratin_I.
Pfam; PF00038; Filament; 1.
PRINTS; PR01248; TYPEIKERATIN.
PROSITE; PS00226; IF; UNKNOWN_I.
Intermediate filament.
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ORFNames=OSJNBa0078001.2;
                                                                                                                                                                                                                 97.5%;
85.7%;
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Science 300:1566-1569(2003).
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AC Q7SBF8;
AC Q7SBF8;
DT 01-MAR-2004 (TrEMBLrel. 26,
DT 01-MAR-2004 (TrEMBLrel. 26,
DT 01-MAR-2004 (TrEMBLrel. 26,
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Best Local Similarity 85...,
6; Conservative
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Best Local Similarity 85.77
6, Conservative
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128 GGVGDGG 134
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MEDLINE=22423060; PubMed=12534463;
MEDLINE=22423060; PubMed=12534463;
DOI=10.1046/j.1462-2920.2002.00366.x;
Melson K.E., Weinel C., Paulsen I.T., Dodson R.J., Hilbert H.,
Martins dos Santos V.A.P., Fouts D.E., Gill S.R., Pop M., Holmes M.,
Brinkec L.M., Beanan M.J., DeBoy R.T., Daugherty S.C., Kolonay J.F.,
Madupu R., Nelson W.C., White O., Peterson J.D., Khouri H.M.,
Hance I., Chris Lee P., Holtzapple E.K., Scanlan D., Tran K.,
Moazzez A., Utterback T.R., Rizzo M., Lee K., Kosack D., Moestl D.,
Wedler H., Lauber J., Stjepandic D., Hoheisel J., Straetz M., Heim S.,
Kriewitz C., Eisen J.A., Timmis K.N., Duesterhoeft A., Tuemmler B.,
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Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TISSUE-Colon mucosa; Watanabe K., Kunagal A., Itakura S., Yamazaki M., Tashiro H., Ota T., Watanabe K., Kunagai A., Itakura S., Shibahara T., Tanaka T., Nakamura Y., Isogai T., Sugano S.; Submitted (FEB-2000) to the EMBL/GenBank/DDBJ databases.
-!- SIMILARITY: Belongs to the intermediate filament family.
EMBL, AKO00268; BAA91044.1; -; mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                   Pseudomonas putida (strain KT2440).
Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales;
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85.7%; Pred. No. 2.9e+02;
iive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Complete genome sequence and comparative analysis of the metabolically versatile Pseudomonas putida KT2440."; Environ. Microbiol. 4:799-808(2002).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          439 AA; 47787 MW; 161AE9EC3287B977 CRC64;
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GO; GO:0005198; F:structural molecule activity; IEA.
   01-JUN-2003 (TrEMBLrel. 24, Created)
01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
01-JUN-2003 (TrEMBLrel. 25, Last annotation update)
Outer membrane protein OprE3.
Name=oprQ; OrderedLocusNames=PP0268;
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01-OCT-2000 (TrEMBLrel. 15, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
Hypothetical protein FLJ20261.
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TIGR; PP0268; -.
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HGNC; HGNC:18527; KRT24.
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                                                                                                                                                                                                  Pseudomonadaceae; Pseudomonas.
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Q9NXG7;
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Matches 6; Conservative
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                                                                                                                                            Gaps
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Eukaryota, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta,
Spermatophyta, Magnoliophyta, Liliopsida, Poales, Poaceae,
Ehrhartoideae, Oryzeae, Oryza.
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Pred. No. 8.5e+02;
1; Mismatches 0; Indels
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                                                             Score 39, DB 2; Length 525;
Pred. No. 3.4e+02;
1; Mismatches 0; Indels
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525 AA; 55145 MW; A97E16C09045E928 CRC64;
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Last sequence update)
Last annotation update)
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01-0CT-2002 (TrEMBLrel. 22, Last sequence update)
01-PEB-2005 (TrEMBLrel. 29, Last annotation update)
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[2]
NUCLEOTIDE SEQUENCE.
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Best Local Similarity
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                                                                                                       Hypothetical
SEQUENCE 21
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QSBIAS_DROME
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                                                                                               STRAIN=OR74A;
Galagan J.E., Calvo S.E., Borkovich K.A., Selker E.U., Read N.D.,
A Jaffe D., FitzHugh W., Ma L.-J., Smirnov S., Purcell S., Rehman B.,
A Jaffe D., FitzHugh W., Wan L.-J., Smirnov S., Purcell S., Rehman B.,
B Elkins T., Engels R., Wang S., Nielsen C.B., Butler J., Endrizzi M.,
A Blkins T., Engels R., Wang S., Nielsen C.B., Butler J., Endrizzi M.,
A Selitrennikoff C.P., Kinsey J.A., Braun E.L., Zelter A., Schulte U.,
A Kothe G.O., Jedd G., Mewse W., Staben C., Marcotte E., Greenberg D.,
A Roy A., Foley K., Naylor J., Thomann N., Barrett R., Gnerre S.,
A Kamyysselis M., Mauceli E., Bielke C., Rudd S., Frishman D.,
A Krystofowa S., Rasmussen C., Metzenberg R.L., Perkins D.D., Kroken S.,
Cogoni C., Macinn G., Catcheside D., Li W., Pratt R.J., Osmani S.A.,
DeSouza C.C., Glass L., Orbach M.J., Berglund J., Voelker R.,
Ararden O., Plamann M., Seiler S., Dunlag J., Voelker R.,
A varden O., Plamann M., Seiler S., Nusbaum C., Birren B.,
T. "The Genome Sequence of the Filamentous Fungus Neurospora crassa.";
                                                                                                                                                                                                                                                                                                                                                                                                    preliminary data.

C -!- SIMILARITY: Belongs to the class-V pyridoxal-phosphate-dependent anihotransferase family.

E MBL; AABXOL000168; EAA33742.1; -; Genomic DNA.

GO; GO:0018036; F:disulfide oxidoreductase activity; IEA.

RO; GO:001818; F:transaminase activity; IEA.

RO; GO:001818; F:transaminase activity; IEA.

RO; GO:001812; P:metabolism; IEA.

RO; GO:0008152; P:metabolism; IEA.

RI InterPro; IPR001092; Aminotrans V.

RI InterPro; IPR003092; RNG hydrolase.

RI InterPro; IPR003093; VWF_A.

RI Fam; PF01266; Aminotran 5; 1.

R Fam; PF01494; FAD binding 3; 1.

R PRINTS; PR00420; RNGANOXGNĀSE.

RRINTS; PR00420; NVFADOMAIN.
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Sukaryota, Viridiplantee, Streptophyta, Embryophyta, Tracheophyta,
Spermatophyta; Magnoliophyta; Liliopsida, Poales, Poaceae;
Ehrhartoideae, Oryzeee, Oryza.
                                                                                                                                                                                                                                                                                                                                                          Nature 0:0-0(2003).
-!- CAUTION: The sequence shown here is derived from an
EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is
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                                          Eukaryota; Fungi; Ascomycota; Pezizomycotina; Sordariomycetes;
Sordariomycetidae; Sordariales; Sordariaceae; Neurospora.
NCB TaxID=5141;
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85.7%; Pred. No. 8.9e+02;
ive 1; Mismatches 0; Indels
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SEOUENCE 1356 AA; 151112 MW; 940E5A38D62C5FD9 CRC64;
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Submitted (JUL-2000) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               01-OCT-2000 (TrEMBLrel. 15, Created)
01-OCT-2000 (TrEMBLrel. 15, Last sequence update)
01-FBB-2005 (TrEMBLrel. 29, Last annotation update)
Hypothetical protein (OSJNBa0036E02.19 protein).
Name-OSJNBa0036E02.19;
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Q\(\overline{O}\)EGE (\overline{\overline{O}})
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Matches 6; Conservative
Hypothetical protein.
Name=NCU07598.1;
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                             Neurospora crassa.
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Stapleton M., Carlson J., Chavez C., Frise E., George R., Pacleb J.,
Park S., Wan K., Yu C., Rubin G.M., Celniker S.;
Submitted (WAR-2005) to the EMBL/GenBank/DDBJ databases.
EMBL, BT0211919, ARA334671.1; — ; mRNA.
InterPro: IPR011992; EF-Hand Lybe
SEQUENCE 228 AA; 25221 NW; E48D64C535BBD20B CRC64;
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Bukaryota, Viridplantae, Streptophyta, Embryophyta, Tracheophyta,
Spermatophyta, Magnoliophyta, Liliopsida, Poales, Poaceae;
Ehrhartoideae, Oryzeae, Oryza.
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Drosophila melanogaster (Fruit fly).
Bukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
Ephydroidea; Drosophilidae; Drosophila.
NCBI_TaxID=7227;
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                                                                                                                                                                                                                                  95.0%; Score 38; DB 2; Length 214; 85.7%; Pred. No. 2.1e+02; ive 1; Mismatches 0; Indels
Sasaki T., Matsumoto T., Yamamoto K.; Submitted (SEP-2000) to the EMBL/GenBank/DDBJ databases. EMBL; AP002804; BAB00649.1; -; Genomic_DNA. EMBL; AP002866; BAB17745.1; -; Genomic_DNA. Gramene; Q9LG66; -.
                                                                                                                                                  ll protein.
214 AA; 22860 MW; E5DABE7661E453D5 CRC64;
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05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
01-FBE-2005 (TrEMBLrel. 29, Last annotation update)
Hypothetical protein Os03940910 (Hypothetical protein
OSJNBA000403.26).
Name=Os03940910; Synonyms=OSJNBa0004003.26;
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Last annotation update)
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Yang Q., Haas B.J., Suh B.B., Peterson J.J., Quackenbush J., White Salzberg S.L., Fraser C.M.,
"Oryza sativa chromosome 3 BAC OSJNBa0091E13 genomic sequence.";
Submitted (SEP-2002) to the EMBL/GenBank/DDBJ databases.
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QFYUM4 ORYSA PRELIMINARY; PRT; 300 AA.

Q6YUM4;

Q6YUM4;

05-JUL-2004 (TrEMBLrel. 27, Created)

05-JUL-2004 (TrEMBLrel. 27, Last sequence update)

05-JUL-2004 (TrEMBLrel. 27, Last annotation update)

Hypothetical protein OJ1134_E08.29.

Hypothetical protein OJ1134_E08.29.

Oryza sativa (japonica cultivar-group).

Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Pracheophyta;
                                                                                                                                                                             Buell C.R., Yuan Q., Ouyang S., Liu J., Gansberger K., Jones K.M., Overton II L.L., Tsitrin T., Kim M.M., Bera J.J., Jin S.S., Fadrosh D.W., Tallon L.J., Koo H., Zismann V., Hsiao J., Blunt S., Vanaken S.S., Riedmuller S.B., Utterback T.T., Feldblyum T.V., Yang Q.Q., Haas B.J., Suh B.B., Peterson J.J., Quackenbush J., Nite O., Salzberg S.L., Fraser C.M., Myza sativa chromosome 3 BAC OSJNBa0004603 genomic sequence."; submitted (FEB-2002) to the EMBL/GenBank/DDBJ databases.
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Ehrhartoideae; Oryzeae; Oryza.
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85.7%; Pred. No. 2.9e+02;
ive 1; Mismatches 0; Indels
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                                                                                                                             Submitted (JAN-2005) to the EMBL/GenBank/DDBJ databases
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300 Aa; 32403 MW; 123C4CA3AF47FAF8 CRC64;
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EMBL; AC109601; AAT78765.1; -; Genomic_DNA.
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Pfam; PF05368; NmrA; 1.
Hypothetical protein.
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81 GGLGDGG 87
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"The Drosophila beaten path Gene Encodes A Novel Secreted Protein That
Regulates Defasciculation At Motor Axon Choice Points ";
Submitted (AUG-1996) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Celniker S.E., Agbayani A., Arcaina T.T., Baxter E., Blazej R.G., Butenhoff C., Champe M., Chavez C., Chew M., Ciesiolka L., Doyle C.M., Farfan D.E., Galle R., George R.A., Harris N.L., Hoskins R.A., Howeton K.A., Hummasti S.R., Karra K., Kearney L., Kim E., Lee B., Lewis S., Li P., Lomotan M.A., Mazda P., Moshrefi A.R., Moshrefi M., Nixon K., Pacleb J.M., Park S., Pfeiffer B., Poon L., Sequeira A., Sethi H., Snir E., Svirskas R.R., Wan K.H., Weinburg T., Zhang R., Zieran L.L., Rubin G.M.;
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                                                                                                                                                                                                                     Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
Ephydroidea; Drosophilidae; Drosophila.
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                                                                             01-FEB-1997 (TrEMBLrel. 02, Last sequence update)
10-MAY-2005 (TrEMBLrel. 30, Last annotation update)
Beaten path precusor (Beat protein) (GG446-PA).
Name=beat.1a; Synonyms=beat; ORFNames=CG4846;
427 AA.
                                                                                                                                                                                              Drosophila melanogaster (Fruit fly).
                                                         Created)
  PRT;
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                                                   01-FEB-1997 (TrEMBLrel. 02, 01-FEB-1997 (TrEMBLrel. 02, 10-MAY-2005 (TrEMBLrel. 30,
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  Q94534_DROME PRELIMINARY;
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Palazzolo M., Pittman G.S., Pan S., Pollard J., Puri V., Reese M.G., Shue B.C., Siden-Kiamos I., Simpson M., Skupski M.P., Smith T., Spier B.C., Siden-Kiamos I., Simpson M., Skupski M.P., Smith T., Spier B., Spradling A.C., Stapleton M., Strong R., Smith T., Svirskas R., Tector C., Turner R., Venter E., Wang A.H., Wang X., Wang Z.-Y., Wassarman D.A., Weinstock G.M., Weissenbach J., Walliams S.M., Woodage T., Worley K.C., Wu D., Yang S., Yao Q.A., Ye J., Yeh R.-F., Zaveri J.S., Zhan M., Zhang G., Zhao Q., Zheng L., Zheng X.H., Zhong F.N., Zhong W., Zhou X., Zhu S., Zhu X., Smith H.O., The genome sequence of Drosophila melanogaster.";
                                                                                                                                                                                                                                                                                    WUCLEOTIDE SEQUENCE.
MEDLINE=22426065; PubMed=12537568;
MEDLINE=22426065; PubMed=12537568;
Celniker S.E., Wheeler D.A., Kronmiller B., Carlson J.W., Halpern A., Patel S., Adams M., Champe W., Dugan S.P., Frise E., Hodgson A., George R.A., Hoskins R.A., Laverty T., Muzny D.M., Nelson C.R., Park S., Pfeiffer B.D., Richards S., Sodergren E.J., Svirskas R., Tabor P.E., Wan K., Stapleton M., Sutton G.G., Venter C., Weinstock G., Scherer S.E., Myers E.W., Gibbs R.A., Rubin G.M.; "Finishing a whole-genome shotgun: release 3 of the Drosophila melanogaster euchromatic genome sequence."; Genome Biol. 3:RESEARCH0079-RESEARCH0079(2002).
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MEDIJURE=22426070; PubMed=12537573;
Kaminker J.S., Bergman C.M., Kronmiller B., Carlson J.W., Svirskas R., Patel S., Frise E., Wheeler D.A., Lewis S.E., Rubin G.M., Ashburner M., Celniker S.E.,
"The transposable elements of the Drosophila melanogaster euchromatin:
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Misra S., Crosby M.A., Mungall C.J., Matthews B.B., Campbell K.S.,
Hradecky P., Huang Y., Kaminker J.S., Milburn G.H., Prochnik S.B.,
Smith C.D., Tupy J.L., Whitfield E.J., Bayraktaroglu L., Berman B.P.
Bettencourt B.R., Celniker S.E., de Grey A.D.N.J., Drysdale R.A.,
Harris N.L., Richter J., Russo S., Schroeder A.J., Shu S.Q.,
Stapleton M., Yamada C., Ashburner M., Gelbart W.M., Rubin G.M.,
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Berkeley Drosophila Genome Project;
Celniker S., Carlson J., Wan K., Pfeiffer B., Frise E., George R.,
Hoskins R., Stapleton M., Pacleb J., Park S., Svirskas R., Smith E.,
Yu C., Rubin G.;
"Drosophila melanogaster release 4 sequence.";
Submitted (MAR-2000) to the EMBL/GenBank/DDBJ databases.
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-!- INTERACTION:
Q9VFC8:CG6904; NDExp=1; IntAct=EBI-113385, EBI-169205;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FlyBase; FBgn0013433; beat-Ia. GO; 60:0016198; P.axon choice point recognition; TAS. GO; GO:0001746; P:Bolvig's organ morphogenesis; IMP. GO; GO:0007415; P:defasciculation of motor neuron; IMP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           a genomics perspective.";
Genome Biol. 3:RESEARCH0084.1-RESEARCH0084.20(2002).
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EMBL; AE003415; AAF44982.1; -; Genomic DNA.
EMBL; AE003649; AAF53500.1; -; Genomic_DNA.
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Immunoglobulin domain; Signal
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InterPro; IPR007110; IG-like.
SMART; SM00409; IG; 1.
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NUCLEOTIDE SEQUENCE.
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Gape
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Copeland A., Lucas S., Lapidus A., Barry K., Detter C., Glavina T., Hammon N., Israni S., Pitluck S., Richardson P.;
"Sequencing of the draft genome assembly of Deinococcus geothermalis DSM 11300.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STRAIN=DSM 11300,
US DOE Joint Genome Institute (JGI-ORNL);
Larimer F., Land M.;
"Annotation of the draft genome assembly of Deinococcus geothermalis
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Bukaryota; Metazoa; Chordata; Urochordata; Ascidiacea; Enterogona;
Phlebobranchia; Cionidae; Ciona.
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                                                             Length 427;
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                                                                                                                                                                                                                                                                                                                                               Bacteria; Deinococcus-Thermus; Deinococci; Deinococcales; Deinococcaceae; Deinococcus.
                                                                                         Indels
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Submitted (JUN-2005) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Submitted (MAY-2005) to the EMBL/GenBank/DDBJ databases
1 26 Potential.
27 427 beaten path.
427 AA, 47917 MW, 26646C37D88B119E CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               664 AA; 71078 MW; CAF4C31CE20B9464 CRC64;
                                                                                                                                                                                                                                                      13-SEP-2005 (TrEMBLrel. 31, Created)
13-SEP-2005 (TrEMBLrel. 31, Last sequence update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
Hypothetical protein precursor.
ORFNames=DgeoDRAFT_1068;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Last sequence update)
Last annotation update)
                                           95.0%; Score 38; DB 2; Ler
85.7%; Pred. No. 4.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  preliminary data.

EMBL, AAHEO1000005; BAL82815.1; -; Genomic_DNA.
Hypothetical protein; Signal.
SIGNAL
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13-SEP-2005 (TrEMBLrel. 31,
13-SEP-2005 (TrEMBLrel. 31,
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Q4H937;
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Q4H3G4 CIOIN PRELIMINARY;
Q4H3G4;
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296 GGLGDGG 302
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STRAIN=DSM 11300;
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                                                                         Local Similarity
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Name=Ci-FUSE;
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                             SEQUENCE
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Bukaryota; Metazoa; Chordata; Urochordata; Ascidiacea; Enterogona;
Phlebobranchia; Cionidae; Ciona.
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Imai K.S., Hino K., Yagi K., Satoh N., Satou Y.;
"Genomewide surveys of developmentally relevant genes in Ciona
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PubMed=12736827; DOI=10.1007/s00427-003-0330-z; Satou Y., Satoh N.; Genomewide surveys of developmentally relevant genes in Ciona
                                                                                                                                                                                               Satou Y., Satoh N.; "Genomewide surveys of developmentally relevant genes in Ciona
                NUCLEOTIDE SEQUENCE.
PubMed=15269171, DOI=10.1242/dev.01270;
Imai K.S., Hino K., Yaqi K., Satoh N., Satou Y.;
"Genomewide surveys of developmentally relevant genes in Ciona
                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 200;
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Pred. No. 4.6e+02;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                       92.5%; Score 37; DB 2; Length 200
85.7%; Pred. No. 2.88+02;
Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                    "Expressed genes in Ciona intestinalis.";
Submitted (ARR-2005) to the EMBL/GenBank/DDBJ databases.
EMBL; AR210458; BAE06463.1; -; mRNA.
SEQUENCE 200 AA; 21821 MW; DB42E2BA12E2C8E4 CRC64;
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Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.
EMBL; AB210457; BAEG04462.1; -; mRNA.
SEQUENCE 325 AA, 34691 MW; C679610AC3FBA2EB CRC64;
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13-SEP-2005 (TrEMBLrel. 31, Last sequence update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
Ci-FUSE protein.
Name-Ci-FUSE;
                                                                                                                                                     NUCLEOTIDE SEQUENCE.
PubMed=12736827; DOI=10.1007/800427-003-0330-z;
Satou Y., Satoh N.;
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                                                                                           intestinalis.";
Development 131:4047-4058(2004)
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Similarity 85.7%;
6; Conservative 1
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Q4H3G5;
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Best Local Similarity 85.7
Matches 6; Conservative
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Best Local Similarity
Matches 6; Conserv
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RATHERDER, Wissbaum C., Abebe A., Abouelleil A., Adekoya E.,
RA Ariczahra M., Allen N., Allen T., An P., Anderson B.,
Aracichi H., ArmChrister J., Bachantsang P., Baldwin J., Barry A.,
RA Bayul T., Blitchsteyn B., Baloom T., Blye J., Boquelavekiy L.,
RA Bayul T., Blitchsteyn B., Bloom T., Blye J., Boquelavekiy L.,
RA Bayul T., Blitchsteyn B., Bloom T., Blye J., Boquelavekiy L.,
RA Galvo S., Camarata J., Campo K., Cheshatsang Y., Clercen
Calvo S., Camarata J., Campo K., Cheshatsang Y., Commo C.,
RA Dorise K., Dorris L., Duffer N., Dodge S., Dooley K., Dorje R.,
Dorise K., Dorris L., Duffer N., Duges A., Elkins T., Bigels R.,
Radorise K., Dorris L., Duffer N., Duges A., Elkins T., Engels R.,
Radopian D., Hagos B., Hall J., Hatcher B., Heller A., Hagins H.,
RA Honan T., Houde N., Haude W., Hughes L., Hulme W., Husby E., Libett RA,
Honan T., Houde N., Hughes L., Hulme W., Husby E., Libett RA,
Lama D., Landers T., Leger J., Levine S., Lewis D., Lewis T.,
Andrife D., Jones C., Kamal M., Kamat A., Kamysselis M., Karlsson E.,
RA Lui A., Wa L.J., Mabbit R., Macdonald J., Maclean C., Major J.,
Manning J., Marabella R., Maru K., Matlems T., Malora V., Malor W., Mihova T., Mikkelsen T., Malora V., Morouch S.,
RA, Moronull R., Manson G., Naylor J., Newes C., Rougue C.,
RA, Moronull R., Manson G., Naylor J., Newes C., Rougue C.,
RA, Rutman M., Schupbach R., Seaman C., Settipalli S., Sharpe T.,
Rherian J., Sharpa N., Shi J., Smirnov S., Smith C., Souger C.,
Reteon K., Stone C., Stame C., Rottipalli S., Sharpe T.,
Rhering J., Whitteker C., Richinge S., Phunkhang P., Raman S., Parker S., Perrin D., Phunkhang P., Raman S., Parker S., Perrin D., Phunkhang P., Raman S., Parker S., Perrin D., Phunkhang P., Rougers D.,
Reteon K., Stone C., Stenes S., Stubbe M., Talamas J., Tephag S., Theodore J., Muller D., Wassiliev H.,
Reteon K., Stone C., Stenes S., Stubbe M., Talamas J., Tephag S., Theodore J., Waller C., Roung G., Wanner S., New Setton R., Stone C., Willer D., Wanner S., Yang S., Yang S., Yang S., Yang S., Yang S., Yang S., Yan
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Submitted (OCT-2003) to the EMBL/GenBank/DDBJ databases.
-!- CAUTION: The sequence shown here is derived from an
EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is
                                                                                                                                    13-SEP-2005 (TrEMBLrel. 31, Last sequence update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
Hypothetical protein.
ORFNames=MG00495.4;
Magnaporthe grisea 70-15.
Bukaryota; Fungi; Ascomycota; Pezizomycotina; Sordariomycetes; Sordariomycetes incertae sedis; Magnaporthaceae; Magnaporthe.
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Submitted (OCT-2003) to the EMBL/GenBank/DDBJ databases
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EMBL; AACU01001423; EAA48837.1; -; Genomic_DNA.
Hypothetical protein.
         405 AA
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                                                                                                13-SEP-2005 (TrEMBLrel. 31,
QSIPIL MAGGR PRELIMINARY;
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17 ORYSA
Q52747 ORYSA PRELIMINARY;
Q52747;
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QGC6Y9 arath preliminary;
Q9C6Y9;
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Best Local Similarity 85.7°
Matches 6; Conservative
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40 GGIGEGG 46
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EMBL; AB04196; BAB1915.1; -; Genomic_DNA.

InterPro; IPR004118; TT_ORF2.

SEQUENCE 100 AA; 10424 MW; 514E4DF088112308 CRC64;
                                              Gaps
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                                                                                                                                                                                                                                                                                                          MEDLINE=22735913; PubMed=12835416; DOI=10.1073/pnas.1431443100;
                                                                                                                                                                                                                                                                                                                    Gloeckner F.O., Kube M., Bauer M., Teeling H., Lombardot T.,
Ludwig W., Gade D., Beck A., Borzym K., Heitmann K., Rabus R.,
Schlesner H., Amann R., Reinhardt R.;
                                                                                                                                                                                                                                        Bacteria, Planctomycetes, Planctomycetacia, Planctomycetales, Planctomycetaceae, Pirellula.
                     92.5%; Score 37; DB 2; Length 405; 85.7%; Pred. No. 5.7e+02; ive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                         92.5%; Score 37; DB 2; Length 417; 85.7%; Pred. No. 5.9e+02; ive 1; Mismatches 0; Indels
43344 MW; 399A66BA8DBE1308 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                     417 AA; 45684 MW; 315531D637D810EE CRC64;
                                                                                                                                                                   01-OCT-2003 (TrEMBLrel. 25, Created)
01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
Pleiotropic regulatory protein.
Name=degT; OrderedLocusNames=RB1170;
Rhodopirellula baltica.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Created)
Last sequence update)
Last annotation update)
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EMBL; BX294134; CAD71939.1; -; Genomic_DNA.

InterPro; IPR000653; DegT_DnrJ_EryCl.

Pfam; PF01041; DegT_DnrJ_EryCl.
                                                                                                                                                417 AA.
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Viruses; ssDNA viruses; Anellovirus.
NCBI_TaxID=68887;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         01-MAR-2001 (TrEMBLrel. 16, 01-MAR-2001 (TrEMBLrel. 16, 01-MAR-2003 (TrEMBLrel. 23,
                                                                                                                                           QTUXR4_RHOBA PRELIMINARY;
Q7UXR4;
         Query Match
Best Local Similarity 85.7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    QDUC2_9VIRU PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  6; Conservative
                                                                                       319 GGMGDGG 325
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225 GGMGDGG 231
                                                                                                                                                                                                                                                                                    NUCLEOTIDE SEQUENCE.
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405 AA;
                                                                 1 GGIGDGG 7
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Matches 6; Conserv
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SEQUENCE 417 AA;
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SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                    RHOBA
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                                                                                                                       RESULT 38
                                                                                                                                    O7UXR4
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EMBL; AC074228; AAG50547.1; -; Genomic_DNA.

EMBL, AC084607; B95606

EMBL; B95606; B95606

InterPro; IPR002952; Eggshell.
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01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
01-JUN-2001 (TrEMBLrel. 29, Last sequence update)
01-FBB-2005 (TrEMBLrel. 29, Last annotation update)
01-FBB-2005 (TrEMBLrel. 29, Last annotation update)
14-Bupothetical protein T7023.13 (Hypothetical protein T18F15.12).
Name=T7023.13; Synonyms=T18F15.12;
Arabidopsis thaliana (Mouse-ear cress).
Bukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; rosids;
eurosids II, Brassicales; Brassicaceae; Arabidopsis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Oryza sativa (japonica cultivar-group).
Makaryota, Viridiplantae, Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; Ehrhartoideae; Oryzeae; Oryza, Oryza, NCBI_TaxID=39947;
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           Length 100;
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       Score 36; DB 2; Length 100
Pred. No. 2.1e+02;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sasaki T., Matsumoto T., Yamamoto K.; "Oryza sativa nipponbare (GA3) genomic DNA, chromosome 6, clone:OSJNBa0012F14.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Submitted (FEB-2002) to the EMBL/GenBank/DDBJ databases. EMBL; AP004784; BAD61892.1; -; Genomic_DNA. Hypothetical protein protein protein 120 AA; 11675 MW; AF98D36005C747BB CRC64; SEQUENCE 130 AA; 11675 MW; AF98D36005C747BB CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  25-OCT-2004 (TrEMBLrel. 28, Created)
25-OCT-2004 (TrEMBLrel. 28, Last sequence update)
25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
Hypothetical protein OSJNBa0012F14.33.
                                                                                                                                                                                                                                                                                                                                                                                                                        130 AA
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Query Match
Best Local Similarity 85.7%;
Matches 6; Conservative
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1 GGIGDGG 7
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Birren B., Nusbaum C., Abebe A., Abouelleil A., Adekoya E.,
Ait-zahra M., Allen N., Allen T., An P., Anderson M., Anderson S.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacterales;
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Ustilaginomycetidae, Ustilaginales; Ustilaginaceae; Ustilago
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 36; DB 2; Length 224;
Pred. No. 4.6e+02;
0; Mismatches 1; Indels
                                                                                                                       90.0%; Score 36; DB 2; Length 223; 85.7%; Pred. No. 4.6e+02;
                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Complete genome sequence of Caulobacter crescentus.";
Proc. Natl. Acad. Sci. U.S.A. 98:4136-4141(2001).
EMBL; AE005790; AAK23107.1; -; Genomic_DNA.
PIR; G87388; G87388.
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                                     ll protein.
223 AA; 19781 MW; E21A0F404896897A CRC64;
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Last annotation update)
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01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Hypothetical protein CC1123.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    224 AA.
                                                                                                                                                                                         0; Mismatches
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13-SEP-2005 (TrEMBLrel. 31,
13-SEP-2005 (TrEMBLrel. 31,
                                                                                                                                                                                                                                                                                                                                                                                                                              CAUCR
Q9A971_CAUCR PRELIMINARY;
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Q4P316;
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Best Local Similarity 85.7
Matches 6; Conservative
      PRINTS; PR01228; EGGSHELL.
                                                                                                                                                                                      6; Conservative
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ORFNames=UM05497.1;
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                                                                                                                                                                                                                                                                                                                212 GGFGDGG 218
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Matches 6, Conserv
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                                                                                                                                                                                                                                                    1 GGIGDGG 7
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                                     Hypothetical
SEQUENCE 22
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                                                                                                                             Query Match
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Q4P316 USTMA
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Arachchi H., Armbruster J., Bachantsang P., Baldwin J., Barry A.,
Bayul T., Blitshsteyn B., Bloom T., Blye J., Boguslavskiy L.,
Bayul T., Boukbagalter B., Burnache A., Butler J., Calixte N.,
Callywore A., Considine T., Cook A., Cooke P., Corum B., Cuomo C.,
David R., Davie T., Degray S., Dodge S., Dooley K., Dorie P.,
David R., Dorris L., Duffey N., Duges A., Elkins T., Engels R.,
Eltsgerald M., Foley K., Gage D., Galagan J., Gearin G., Gherre S.,
Eltsgerald M., Foley K., Gage D., Galagan J., Gearin G., Gherre S.,
RA Goike A., Goyette A., Graham J., Hatcher B., Heller A., Higgins H.,
Andraha T., Houde N., Hughes L., Hulme W., Husby E., Iliev I.,
RA Honan T., Houde N., Hughes L., Hulme W., Husby E., Liberti K.,
Andraha T., Kisner P., Kodira C., Kamvalovis T., Lokyitesan B.,
RA Limbad-took K., Liux X., Lokyitsang T., Lokyitesan S.,
Andraha T., Mabitt R., Macdonad J., Maclean C., Major J.,
RA Manning J., Marabella R., Maru K., Matlews D., Lawis D., Lawis T.,
RA Manning J., Marabella R., Maru K., Makelsen T., Meneus L.,
Munning J., Mulrain L., Munson G., Najor J., Naves C., Nguyen C.,
RA Maraballa R., Maru K., Nachesu C., Najor C.,
RA Morse J., Mulrain L., Munson G., Najor J., Naves C., Naves J., Mulrain L., Munson S., Parker S., Phunkhang P., Phunkhang P., Raymond C.,
RA Norbu N., O'donnell P., Okoawo O., O'leary S., Omocosho B.,
R. Retta R., Richardson S., Rise C., Retriballi S., Sharpe T.,
R. Schuckaraman V., Sharpa N., Shi J., Samirno S., Warshill S., Sharpe T.,
R. Spencer B., Stalker J., Stange-thomann N., Starzopoulos S.,
R. Testage S., Theodore J., Thoulutsang Y., Topham K.,
R. Towey S., Teamer C., Stone S., Stubbe M., Wayen Y.,
R. Wangdi T., Whittaker C., Wilkinson J., Wu Y., Wyman D., Yaday S.,
R. Wangdi T., Whittaker C., Wilkinson J., Wu Y., Wyman D., Yaday S.,
R. Stalmer A., Scoly M., Lander E.,
R. Stalmer A., Scoly M., Lander E.,
R. Stalmer A., Scoly M., Lander E.,
R. Stalmer A., Starzopoulos S.,
R. Stalmer A., Scoly M., Lander E.,
R. Stalmer A., Starzopoulos S.,
R. Stalmer A., Staydy M., Parker S., Yee
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     -!- CAUTION: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Bacteria; Actinobacteria; Actinobacteridae; Actinomycetales; Streptomycineae; Streptomyces.
NCBI_TaxID=1890;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   90.0%; Score 36; DB 2; Length 303;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Indels
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SEQUENCE 303 AA; 31887 MW; CC14044903AA9BA6 CRC64;
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Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            preliminary data.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  85.7%;
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068842;
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267 GGIGEGG 273
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
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                                                                                                                                                             STRAIN-ATC 11891,

Quiros L.M., Aguirrecabalaga I., Olano C., Mendez C., Salas J.A.;

Submitted (SEP-1999) to the EMBL/GenBank/DDBJ databases.

EMBL, AROSSS79; AADSS4S8.1; -; Genomic_DNA.

EMRL, AFOSS79; AADS54S8.1; -; Genomic_DNA.

HSSP, QBZNF3; IMDO.

GO, GO:0004883; F:transaminase activity; IEA.

GO, GO:0016740; F:transferase activity; IEA.

InterPro: IPR0006653; DegT DNTJ EryCl.

Pfam; PF01041; DegT_DNTJ EryCl.

Aminotransferase; Transferase.
oleandomycin modification during its biosynthesis by Streptomyces antibioticus. ", % \left( \frac{1}{2}\right) =\frac{1}{2}\left( \frac{1}{2}\right) ^{2}
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Bacteria, Actinobacteria, Actinobacteridae, Actinomycetales, Streptomycineae, Streptomycetaceae, Streptomyces.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ouery Match 90.0%; Score 36; DB 2; Length 368; Best Local Similarity 85.7%; Pred. No. 7.6e+02; Matches 6; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             90.0%; Score 36; DB 2; Length 368; 85.7%; Pred. No. 7.6e+02; ive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        368 AA; 39601 MW; 7911658830FA0C3F CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               368 AA; 39526 MW; 79117E9201D2153E CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   01-OCT-2000 (TrEMBLrel. 15, Created)
01-OCT-2000 (TrEMBLrel. 15, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
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GO; GO:0016740; F:transferase activity; IEA.
InterPro; IPR000653; DegT_DnrJ_EryC1.
Pfam; PF01041; DegT_DnrJ_EryC1; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                368 AA
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                                               antibioticus.";
Mol. Microbiol. 28:1177-1185(1998).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Aminotransferase-like protein. Streptomyces antibioticus.
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OFLEBS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Q6L561 ORYSA
ID Q6L561 ORYSA PRELIMINARY;
AC Q6L561;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 6; Conservative
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                                                                                                                                     NUCLEOTIDE SEQUENCE
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Matches 6; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE
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Q9L6B9_STR
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Leu H.-L.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
05-JUL-2004 (TrEMBLrel. 27, Created)
05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
05-JUL-2004 (TrEMBLrel. 29, Last sequence update)
1-FBE-2006 (TrEMBLrel. 29, Last annotation update)
Putative nuclear RNA binding protein A (Hypothetical protein OSJNBA0022J22.4).
Name=OJ1115_D04.10; Synonyms=OSJNBA002ZJ22.4;
Oryza sativa (1sponica cultivar-group).
Bukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
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Eukaryota, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta,
Spermatophyta, Magnoliophyta, Liliopsida, Poales, Poaceae,
Ehrhartoideae, Oryzeae, Oryza.
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                                                                                                                                                                                                                                                                                                                                                                                                   WUCLEOTIDE SEQUENCE.

Chow T.-Y., Hsing Y.-I.C., Chen C.-S., Chen H.-H., Liu S.-M.,

Chao Y.-T., Chang S.-J., Chen H.-C., Chen S.-K., Chen T.-R.,

Chan Y.-L., Cheng C.-H., Chung C.-I., Han S.-Y., Hsiao S.-H.,

Hsiung J.-N., Hsu C.-H., Huang J.-J., Kau P.-I., Lee M.-C., Le

Li Y.-F., Lin S.-J., Lin Y.-C., Wu S.-W., Yu C.-Y., Yu S.-W.,

Wu H.-P., Shaw J.-P.,

Submitted (MAY-2004) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     90.0%; Score 36; DB 2; Length 383;
85.7%; Pred. No. 7.9e+02;
iive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sasaki T., Matsumoto T., Yamamoto K.;
"Oryza sativa nipponbare(GA3) genomic DNA, chromosome 6, clone:OSJNBa016019.";
Submitted (NAR-2002) to the EMBL/GenBank/DDBJ databases.
EMBL, AP004991; BAD35978.1; -; Genomic_DNA.
InterPro; IRR004081; Reg_chr_condens.
InterPro; IRR004081; Reg_chr_condens.
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383 AA; 41029 MW; 83DAECAD42C66810 CRC64;
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25-0CT-2004 (TrEMBLrel. 28, Last sequence update)
25-0CT-2004 (TrEMBLrel. 28, Last annotation update)
Hypothetical protein OSJNBa0016019.23.
Name=OSJNBa0016019.23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   InterPro, IPR006861; HABP4 PAI-RBP1.
Pfam; PF04774; HABP4 PAI-RBP1; 1.
Hypothetical protein.
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QG9SQ7 ORYSA PRELIMINARY;
Q69SQ7;
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Best Local Similarity
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InterPro; IPR005318; OprD. Pfam; PF03573; OprD; 1.
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Q87UB4;
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                               NUCLEOTIDE SEQUENCE
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Best Local Similarity
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SEQUENCE
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DOE Joint Genome Institute;
Chain P., Larimer F., DiBartolo G., Copeland A., Lykidis A., Trong S.,
Nolan M., Goltsman E., Thiel J., Malfatti S., Lapidus A., Detter J.C.,
Land M., Richardson P.M., Kyrpides N.C., Ivanova N.;
                                                                                                                                                                                                                                                                                                                                                                                                    01-FEB-2005 (TrEMBLrel. 29, Created)
01-FEB-2005 (TrEMBLrel. 29, Last sequence update)
01-FEB-2005 (TrEMBLrel. 29, Last annotation update)
01-FEB-2005 (TrEMBLrel. 29, Last annotation update)
Novel protein similar to vertebrate glutamic pyruvate transaminase (Alanine aminotransferase) 2 (GFT2) (Fragment).
Name-OTTDARPO000000654; ORFNames-CH211-57117.3-001;
Brachydanio rerio (Zebrafish) (Danio rerio).
Brachydanio rerio (Zebrafish) (Danio rerio).
Actinopterygii; Neopterygii; Teleostei; Ostariophysi; Cypriniformes; Cyprinidae; Danio.
NCBL TaxID-7955;
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                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
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0
                         Length 405;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 408;
Score 36; DB 2; Length 4vo
Pred. No. 8.4e+02;
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85.7%; Pred. No. 8.4e+02; Lindels
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[3]
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13-SEP-2005 (TrEMBLrel. 31, Last sequence update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              EMBL; BX004824; CAI12022.1; -; Genomic_DNA.
GO; GO:0008481; F:transaminase activity; IEA.
OC; GO:0016740; F:transferase activity; IEA.
Aminotransferase; Pyruvate; Transferase.
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                                                                                         1; Mismatches
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Pseudomonas syringae pv. syringae B728a.
Bacteria; Proteobacteria; Gammaproteobac
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                         Query Match
Best Local Similarity 85.7%;
Matches 6; Conservative
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Q5RJ37 BRARE PRELIMINARY;
Q5RJ37;
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Q4ZLL5;
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Best Local Similarity 85.7
Matches 6; Conservative
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STRAIN=B728a;
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66 GGIGEGG 72
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SEQUENCE
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Buell C.R., Joardar V., Lindeberg M., Selengut J., Paulsen I.T.,
Buell C.R., Joardar V., Lindeberg M., Selengut J., Paulsen I.T.,
Adwinn M.L., Doddson R.J., DeBoy R.T., Durkin A.S., Kolonay J.F.,
Madugu R., Dawidsen T.M., Zafar N., Zhou L., Liu J., Yuan Q.,
Nelson W.C., Davidsen T.M., Zafar N., Zhou L., Liu J., Yuan Q.,
Khouri H.M., Fedorova N.B., Tran B., Russell D., Berry K.J.,
Utterback T.R., Alfano J.R., Cartinhour S., Chatterjee A.K.,
Deng W.-L., Ramos A.R., Alfano J.R., Cartinhour S., Chatterjee A.K.,
Bender C.L., White O., Fraser C.M., Collmer A.,
The complete genome sequence of the Arabidopsis and tomato pathogen
Pseudomonas syringae pv. tomato DC3000.";
The Complete genome sequence of the Arabidopsis and tomato pathogen
Proc. Natl. Acad Sci. U.S.A. 100:10181-10186(2003).
BMBL, ABO16853; AAO58813.1; -; Genomic_DNA.
TIGR; PSPTO5391; -
TIGR; PSPTO5391; -
TIGR; PSPTO5391; -
TIGR; PSPTO5391; -
TIGR; PSPTO5388; F:porin activity; IEA.
GO; GO:0019867; Coutter membrane; IEA.
GO; GO:0015888; F:porin activity; IEA.
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Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales;
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Feil H., Feil W.S., Lindow S.E.;
Submitted (MAY-2005) to the EMBL/GenBank/DDBJ databases.
EMBL; CP000075; AAX39957.1; -; Genomic_DNA.
GO; GO:0010621; Cintegral to membrane; IEA.
GO; GO:0012867; C:outer membrane; IEA.
GO; GO:0015288; F:porin activity; IEA.
                                                                                                                                                                                                                                                     424 AA; 46270 MW; 09A7EDAA1932B2F5 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             424 AA; 46336 MW; FA887ACF455C10BB CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  01-JUN-2003 (TrEMBLrel. 24, Created)
01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
01-GT-2003 (TrEMBLrel. 25, Last annotation update)
Outer membrane porin, OprD family.
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                                                                                                                                                                                                                                                                                                                       Score 36; DB 2; I
Pred. No. 8.8e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUCLEOTIDE SEQUENCE [LARGE SCALE GENOMIC DNA]
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                                                                                                                                                                                                                                                                                                                                                                                            0; Mismatches
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                                                                                                                                                                                                                                                                                                                          90.0%;
85.7%;
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